



Alcatel-Lucent 5620

SERVICE AWARE MANAGER

ALARM REFERENCE

Alcatel-Lucent Proprietary
This document contains proprietary information of Alcatel-Lucent and is not to be disclosed
or used except in accordance with applicable agreements.
Copyright 2014 © Alcatel-Lucent. All rights reserved.

Alcatel-Lucent assumes no responsibility for the accuracy of the information presented, which is subject to change without notice.

Alcatel, Lucent, Alcatel-Lucent, the Alcatel-Lucent logo, lightRadio, and TiMetra are registered trademarks of Alcatel-Lucent. All other trademarks are the property of their respective owners.

Copyright 2014 Alcatel-Lucent.
All rights reserved.

Disclaimers

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

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

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

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

Alcatel-Lucent License Agreement

SAMPLE END USER LICENSE AGREEMENT

1. LICENSE

- 1.1 Subject to the terms and conditions of this Agreement, Alcatel-Lucent grants to Customer and Customer accepts a nonexclusive, nontransferable license to use any software and related documentation provided by Alcatel-Lucent pursuant to this Agreement ("Licensed Program") for Customer's own internal use, solely in conjunction with hardware supplied or approved by Alcatel-Lucent. In case of equipment failure, Customer may use the Licensed Program on a backup system, but only for such limited time as is required to rectify the failure.
- 1.2 Customer acknowledges that Alcatel-Lucent may have encoded within the Licensed Program optional functionality and capacity (including, but not limited to, the number of equivalent nodes, delegate workstations, paths and partitions), which may be increased upon the purchase of the applicable license extensions.
- 1.3 Use of the Licensed Program may be subject to the issuance of an application key, which shall be conveyed to the Customer in the form of a Supplement to this End User License Agreement. The purchase of a license extension may require the issuance of a new application key.

2. PROTECTION AND SECURITY OF LICENSED PROGRAMS

- 2.1 Customer acknowledges and agrees that the Licensed Program contains proprietary and confidential information of Alcatel-Lucent and its third party suppliers, and agrees to keep such information confidential. Customer shall not disclose the Licensed Program except to its employees having a need to know, and only after they have been advised of its confidential and proprietary nature and have agreed to protect same.
- 2.2 All rights, title and interest in and to the Licensed Program, other than those expressly granted to Customer herein, shall remain vested in Alcatel-Lucent or its third party suppliers. Customer shall not, and shall prevent others from copying, translating, modifying, creating derivative works, reverse engineering, decompiling, encumbering or otherwise using the Licensed Program except as specifically authorized under this Agreement. Notwithstanding the foregoing, Customer is authorized to make one copy for its archival purposes only. All appropriate copyright and other proprietary notices and legends shall be placed on all Licensed Programs supplied by Alcatel-Lucent, and Customer shall maintain and reproduce such notices on any full or partial copies made by it.

3. TERM

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

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

4. CHARGES

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

5. SUPPORT AND UPGRADES

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

6. WARRANTIES AND INDEMNIFICATION

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

- 6.2 ALCATEL-LUCENT EXPRESSLY DISCLAIMS ALL OTHER WARRANTIES, REPRESENTATIONS, COVENANTS OR CONDITIONS OF ANY KIND, WHETHER EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION, WARRANTIES OR REPRESENTATIONS OF WORKMANSHIP, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, DURABILITY, OR THAT THE OPERATION OF THE LICENSED PROGRAM WILL BE ERROR FREE OR THAT THE LICENSED PROGRAMS WILL NOT INFRINGE UPON ANY THIRD PARTY RIGHTS.
- 6.3 Alcatel-Lucent shall defend and indemnify Customer in any action to the extent that it is based on a claim that the Licensed Program furnished by Alcatel-Lucent infringes any patent, copyright, trade secret or other intellectual property right, provided that Customer notifies Alcatel-Lucent within ten (10) days of the existence of the claim, gives Alcatel-Lucent sole control of the litigation or settlement of the claim, and provides all such assistance as Alcatel-Lucent may reasonably require. Notwithstanding the foregoing, Alcatel-Lucent shall have no liability if the claim results from any modification or unauthorized use of the Licensed Program by Customer, and Customer shall defend and indemnify Alcatel-Lucent against any such claim.
- 6.4 Alcatel-Lucent Products are intended for standard commercial uses. Without the appropriate network design engineering, they must not be sold, licensed or otherwise distributed for use in any hazardous environments requiring fail safe performance, such as in the operation of nuclear facilities, aircraft navigation or communication systems, air traffic control, direct life-support machines, or weapons systems, in which the failure of products could lead directly to death, personal injury, or severe physical or environmental damage. The Customer hereby agrees that the use, sale, license or other distribution of the Products for any such application without the prior written consent of Alcatel-Lucent, shall be at the Customer's sole risk. The Customer also agrees to defend and hold Alcatel-Lucent harmless from any claims for loss, cost, damage, expense or liability that may arise out of or in connection with the use, sale, license or other distribution of the Products in such applications.

7. LIMITATION OF LIABILITY

- 7.1 IN NO EVENT SHALL THE TOTAL COLLECTIVE LIABILITY OF ALCATEL-LUCENT, ITS EMPLOYEES, DIRECTORS, OFFICERS OR AGENTS FOR ANY CLAIM, REGARDLESS OF VALUE OR NATURE, EXCEED THE AMOUNT PAID UNDER THIS AGREEMENT FOR THE LICENSED PROGRAM THAT IS THE SUBJECT MATTER OF THE CLAIM. IN NO EVENT SHALL THE TOTAL COLLECTIVE LIABILITY OF ALCATEL-LUCENT, ITS EMPLOYEES, DIRECTORS, OFFICERS OR AGENTS FOR ALL CLAIMS EXCEED THE TOTAL AMOUNT PAID BY CUSTOMER TO ALCATEL-LUCENT HEREUNDER. NO PARTY SHALL BE LIABLE FOR ANY INDIRECT, SPECIAL OR CONSEQUENTIAL DAMAGES, WHETHER OR NOT SUCH DAMAGES ARE FORESEEABLE, AND/OR THE PARTY HAD BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.
- 7.2 The foregoing provision limiting the liability of Alcatel-Lucent's employees, agents, officers and directors shall be deemed to be a trust provision, and shall be enforceable by such employees, agents, officers and directors as trust beneficiaries.

8. GENERAL

- 8.1 Under no circumstances shall either party be liable to the other for any failure to perform its obligations (other than the payment of any monies owing) where such failure results from causes beyond that party's reasonable control.
- 8.2 This Agreement constitutes the entire agreement between Alcatel-Lucent and Customer and supersedes all prior oral and written communications. All amendments shall be in writing and signed by authorized representatives of both parties.
- 8.3 If any provision of this Agreement is held to be invalid, illegal or unenforceable, it shall be severed and the remaining provisions shall continue in full force and effect.
- 8.4 The Licensed Program may contain freeware or shareware obtained by Alcatel-Lucent from a third party source. No license fee has been paid by Alcatel-Lucent for the inclusion of any such freeware or shareware, and no license fee is charged to Customer for its use. The Customer agrees to be bound by any license agreement for such freeware or shareware. CUSTOMER ACKNOWLEDGES AND AGREES THAT THE THIRD PARTY SOURCE PROVIDES NO WARRANTIES AND SHALL HAVE NO LIABILITY WHATSOEVER IN RESPECT OF CUSTOMER'S POSSESSION AND/OR USE OF THE FREWARE OR SHAREWARE.
- 8.5 Alcatel-Lucent shall have the right, at its own expense and upon reasonable written notice to Customer, to periodically inspect Customer's premises and such documents as it may reasonably require, for the exclusive purpose of verifying Customer's compliance with its obligations under this Agreement.
- 8.6 All notices shall be sent to the parties at the addresses listed above, or to any such address as may be specified from time to time. Notices shall be deemed to have been received five days after deposit with a post office when sent by registered or certified mail, postage prepaid and receipt requested.
- 8.7 If the Licensed Program is being acquired by or on behalf of any unit or agency of the United States Government, the following provision shall apply: If the Licensed Program is supplied to the Department of Defense, it shall be classified as "Commercial Computer Software" and the United States Government is acquiring only "restricted rights" in the Licensed Program as defined in DFARS 227-7202-1(a) and 227.7202-3(a), or equivalent. If the Licensed Program is supplied to any other unit or agency of the United States Government, rights will be defined in Clause 52.227-19 or 52.227-14 of the FAR, or if acquired by NASA, Clause 18-52.227-86(d) of the NASA Supplement to the FAR, or equivalent. If the software was acquired under a contract subject to the October 1988 Rights in Technical Data and Computer Software regulations, use, duplication and disclosure by the Government is subject to the restrictions set forth in DFARS 252-227.7013(c)(1)(ii) 1988, or equivalent.
- 8.8 Customer shall comply with all export regulations pertaining to the Licensed Program in effect from time to time. Without limiting the generality of the foregoing, Customer expressly warrants that it will not directly or indirectly export, reexport, or transship the Licensed Program in violation of any export laws, rules or regulations of Canada, the United States or the United Kingdom.

- 8.9 No term or provision of this Agreement shall be deemed waived and no breach excused unless such waiver or consent is in writing and signed by the party claimed to have waived or consented. The waiver by either party of any right hereunder, or of the failure to perform or of a breach by the other party, shall not be deemed to be a waiver of any other right hereunder or of any other breach or failure by such other party, whether of a similar nature or otherwise.
- 8.10 This Agreement shall be governed by and construed in accordance with the laws of the Province of Ontario. The application of the United Nations Convention on Contracts for the International Sale of Goods is hereby expressly excluded.

Preface

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

Prerequisites

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

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

5620 SAM documentation suite

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

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

Table 1 5620 SAM customer documentation suite

Guide	Description
5620 SAM core documentation	

(1 of 5)

Preface

Guide	Description
<i>5620 SAM Alarm Reference</i>	The <i>5620 SAM Alarm Reference</i> provides a description of all alarms supported on the 5620 SAM, including LTE and optical alarms, the raising and clearing conditions of each alarm, and the remedial action to fix the problem. The reference is organized by network element type.
<i>5620 SAM Chronos SyncWatch Integration Guide</i>	The <i>5620 SAM Chronos SyncWatch Integration Guide</i> provides procedures to allow the 5620 SAM to integrate with the Chronos SyncWatch Probe and NetSMART server. The guide also provides general information about synchronization management in a 5620 SAM-managed network.
<i>5620 SAM Glossary</i>	The <i>5620 SAM Glossary</i> defines terms and acronyms used in all of the 5620 SAM documentation.
<i>5620 SAM Integration Guide</i>	The <i>5620 SAM Integration Guide</i> provides procedures to allow the 5620 SAM to integrate with other Alcatel-Lucent products and third-party products.
<i>5620 SAM Network Element Compatibility Guide</i>	The <i>5620 SAM Network Element Compatibility Guide</i> provides release-specific information about the compatibility of managed devices in 5620 SAM releases. This document is updated regularly; always consult the latest version on OLCS as described in Documentation and resources on the web .
<i>5620 SAM Parameter Guide</i>	<p>The <i>5620 SAM Parameter Guide</i> provides:</p> <ul style="list-style-type: none"> parameter descriptions that include value ranges and default values parameter options and option descriptions parameter and option dependencies parameter mappings to the 5620 SAM-O XML equivalent property names <p>Parameters specific to LTE network elements are covered in the <i>5620 SAM LTE Parameter Reference</i>.</p> <p>Parameters specific to 1830 PSS network elements are covered in the <i>5620 SAM Optical Parameter Reference</i>.</p> <p>The 5620 SAM online help system includes a Parameter Search Tool that allows you to look up parameters or 5620 SAM and 5650 CPAM forms. See the <i>5620 SAM User Guide</i> for more information about using the Parameter Search Tool.</p>
<i>5620 SAM Planning Guide</i>	The <i>5620 SAM Planning Guide</i> provides information about 5620 SAM scalability and recommended hardware configurations.
<i>5620 SAM Release Description</i>	The <i>5620 SAM Release Description</i> provides information about the new features associated with a 5620 SAM software release.
<i>5620 SAM Release Notice</i>	The <i>5620 SAM Release Notice</i> provides important information about the software release, including outstanding issues and restrictions. This document is not shipped with the on-product customer documentation and must be obtained from OLCS as described in Documentation and resources on the web .
<i>5620 SAM Scripts and Templates Developer Guide</i>	<p>The <i>5620 SAM Scripts and Templates Developer Guide</i> provides information that allows users to develop, manage, and run CLI-based or XML-based scripts or templates. The guide is intended for developers, skilled administrators, and operators who are expected to be familiar with the following:</p> <ul style="list-style-type: none"> CLI scripting, XML, and the Velocity engine basic scripting or programming 5620 SAM functions
<i>5620 SAM Statistics Management Guide</i>	The <i>5620 SAM Statistics Management Guide</i> provides information about how to configure performance and accounting statistics collection and how to view counters using the 5620 SAM. Network examples are included.

(2 of 5)

Guide	Description
<i>5620 SAM System Administrator Guide</i>	<p>The <i>5620 SAM System Administrator Guide</i> provides information about the tasks performed by a user with a 5620 SAM admin role, including:</p> <ul style="list-style-type: none"> • 5620 SAM security management tasks such as setting up all required user accounts and user groups • advanced configuration tasks such as configuring, maintaining, and administering the 5620 SAM operational environment • routine maintenance tasks to maintain the 5620 SAM hardware and system integrity and efficiencies
<i>5620 SAM System Architecture Guide</i>	<p>The <i>5620 SAM System Architecture Guide</i> is intended for technology officers, network planners, and system administrators to increase their knowledge of the 5620 SAM software structure and components. It describes the system structure, software components, and interfaces of the 5620 SAM. In addition, 5620 SAM fault tolerance, security, and network management capabilities are discussed from an architectural perspective.</p>
<i>5620 SAM Troubleshooting Guide</i>	<p>The <i>5620 SAM Troubleshooting Guide</i> provides task-based procedures and user documentation to:</p> <ul style="list-style-type: none"> • help resolve issues in the managed and management networks • identify the root cause and plan corrective action for: <ul style="list-style-type: none"> • alarm conditions on a network object or customer service • problems on customer services with no associated alarms • list problem scenarios, possible solutions, and tools to help check: <ul style="list-style-type: none"> • network management LANs • network management platforms and operating systems • 5620 SAM client GUIs and client OSS applications • 5620 SAM servers • 5620 SAM databases
<i>5620 SAM User Guide</i>	<p>The <i>5620 SAM User Guide</i> provides information about using the 5620 SAM to manage the service-aware IP/MPLS network, including GUI basics, service configuration, and policy management.</p> <p>The <i>5620 SAM User Guide</i> uses a task-based format that employs both high-level workflows and detailed procedures.</p> <p>5620 SAM management information specific to LTE network elements is covered in the <i>5620 SAM LTE ePC User Guide</i> and <i>5620 SAM LTE RAN User Guide</i>.</p> <p>5620 SAM management information specific to 1830 PSS network elements is covered in the <i>5620 SAM Optical User Guide</i>.</p> <p>5620 SAM management information specific to 9500 MPR and 9500 MPRe devices is covered in the <i>5620 SAM MPR User Guide</i>.</p>
<i>5620 SAM 5650 CPAM Installation and Upgrade Guide</i>	<p>The <i>5620 SAM 5650 CPAM Installation and Upgrade Guide</i> provides OS considerations, configuration information, and procedures for the following:</p> <ul style="list-style-type: none"> • installing, upgrading, and uninstalling 5620 SAM and 5650 CPAM software in standalone and redundant deployments • 5620 SAM system migration to a different system • conversion from a standalone to a redundant 5620 SAM system
5620 SAM MPR documentation	
<i>5620 SAM MPR User Guide</i>	<p>The <i>5620 SAM MPR User Guide</i> describes how to discover, configure, and manage 9500 MPR and 9500 MPRe devices using the 5620 SAM. The guide is intended for network planners, administrators, and operators and is to be used in conjunction with other guides in the 5620 SAM documentation suite where management of 9500 MPR and 9500 MPRe devices does not differ from other network elements.</p> <p>Alcatel-Lucent recommends that you review the entire <i>5620 SAM MPR User Guide</i> before you attempt to use the 5620 SAM in your MPR network.</p>
5620 SAM LTE documentation	
<i>5620 SAM LTE Release Description</i>	<p>The <i>5620 SAM LTE Release Description</i> provides information about the LTE features associated with the release.</p>

(3 of 5)

Preface

Guide	Description
<i>5620 SAM LTE ePC User Guide</i>	The <i>5620 SAM LTE ePC User Guide</i> describes how to discover, configure, and manage LTE ePC devices using the 5620 SAM. The guide is intended for LTE ePC network planners, administrators, and operators and is to be used in conjunction with other guides in the 5620 SAM documentation suite where management of ePC devices does not differ from other network elements. Alcatel-Lucent recommends that you review the entire <i>5620 SAM LTE ePC User Guide</i> before you attempt to use the 5620 SAM in your LTE network.
<i>5620 SAM LTE OSS Interface Developer Guide</i>	The <i>5620 SAM LTE OSS Interface Developer Guide</i> provides information about developing LTE OSS applications, including information about the 3GPP OSS interface components and architecture, understanding the 5620 SAM-O schema in the context of LTE, compliance with 3GPP standards, and typical operational scenarios.
<i>5620 SAM LTE Parameter Reference</i>	The <i>5620 SAM LTE Parameter Reference</i> provides a list of all LTE ePC and LTE RAN parameters supported in the 5620 SAM.
<i>5620 SAM LTE RAN User Guide</i>	The <i>5620 SAM LTE RAN User Guide</i> describes how to discover, configure, and manage the Evolved NodeB, or eNodeB, using the 5620 SAM. The guide is intended for LTE RAN network planners, administrators, and operators and is to be used in conjunction with other guides in the 5620 SAM documentation suite where management of RAN devices does not differ from other network elements. Alcatel-Lucent recommends that you review the entire <i>5620 SAM LTE RAN User Guide</i> before you attempt to use the 5620 SAM in your LTE network.
5620 SAM optical documentation	
<i>5620 SAM Optical Parameter Reference</i>	The <i>5620 SAM Optical Parameter Reference</i> provides a list of all optical device parameters supported in the 5620 SAM.
<i>5620 SAM Optical User Guide</i>	The <i>5620 SAM Optical User Guide</i> describes how to discover, configure, and manage optical devices using the 5620 SAM. The guide is intended for optical network planners, administrators, and operators and is to be used in conjunction with other guides in the 5620 SAM documentation suite where management of optical devices does not differ from other network elements. Alcatel-Lucent recommends that you review the entire <i>5620 SAM Optical User Guide</i> before you attempt to use the 5620 SAM in your optical network.
5620 SAM-O documentation	
<i>5620 SAM XML OSS Interface Developer Guide</i>	The <i>5620 SAM XML OSS Interface Developer Guide</i> provides information that allows you to: <ul style="list-style-type: none"> • use the 5620 SAM XML OSS interface to access network management information • learn about the information model associated with the managed network • develop OSS applications using the packaged methods, classes, data types, and objects necessary to manage 5620 SAM functions
5650 CPAM documentation	
<i>5650 CPAM Release Description</i>	The <i>5650 CPAM Release Description</i> provides information about the new features associated with a 5650 CPAM software release.
<i>5650 CPAM Release Notice</i>	The <i>5650 CPAM Release Notice</i> provides important information about the 5650 CPAM software release and corresponding 7701 CPAA software release, including outstanding issues and restrictions. This document is not shipped with the on-product documentation and must be obtained from OLCS as described in Documentation and resources on the web .
<i>5650 CPAM User Guide</i>	The <i>5650 CPAM User Guide</i> describes how to capture, inspect, visualize, and troubleshoot IGP and BGP topologies using the 5650 CPAM.
<i>7701 CPAA Hardware Revision 2 Setup and Software Installation Instructions</i>	The <i>7701 CPAA Hardware Revision 2 Setup and Software Installation Instructions</i> describes the hardware setup and software installation for the 7701 CPAA Hardware Revision 2, the route analyzer component of the 5650 CPAM.

(4 of 5)

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

(5 of 5)

Obtaining customer documentation

You can obtain 5620 SAM customer documentation:

- from the product
- on the web

On-product documentation

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

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

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

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

Figure 1 Home icon



Documentation and resources on the web

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

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

5620 SAM product alerts

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

Working with PDFs

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

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



Note — Users of Mozilla browsers may receive an error message when opening the PDF files in the 5620 SAM documentation suite. The offline storage and default cache values used by the browsers are the cause of the error message.

Alcatel-Lucent recommends changing the Mozilla Firefox offline storage or Mozilla 1.7 cache value to 100 Mbytes to eliminate the error message.

Documentation conventions

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

Table 2 Documentation conventions

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

Procedures with options or substeps

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

Example of options in a procedure

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

- 1 This step offers two options. You must choose one of the following.
 - a This is one option.
 - b This is another option.
- 2 You must perform this step.

Example of substeps in a procedure

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

- 1 This step has a series of substeps that you must perform to complete the step. You must perform the following substeps.
 - i This is the first substep.
 - ii This is the second substep.
 - iii This is the third substep.
- 2 You must perform this step.

Measurement conventions

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

Table 3 lists the measurement symbols used in this document.

Table 3 Bits and bytes conventions

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

Important information

The following conventions are used to indicate important information:



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



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



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

Contents

Preface	ix
Prerequisites.....	ix
5620 SAM documentation suite	ix
Obtaining customer documentation	xiii
On-product documentation.....	xiii
Documentation and resources on the web	xiii
Documentation conventions.....	xiv
Procedures with options or substeps.....	xiv
Measurement conventions	xv
Important information.....	xvi
 1 — 5620 SAM alarm information	 1-1
1.1 5620 SAM Alarm Reference overview	1-2
1.2 NE-specific alarm information	1-3
Unspecified NE alarms.....	1-3
5620 SAM platform alarms	1-3
9471 WMM alarms	1-3
eNodeB alarms and events.....	1-4
9500 MPR alarms	1-4
1830 PSS alarms	1-4
External EMS alarms	1-5
1.3 Alarm information in other formats.....	1-5
1.4 OSS alarm monitoring	1-5
1.5 New alarms by 5620 SAM release	1-5
Maintenance releases.....	1-5
New alarms for 5620 SAM Release 12.0 R2	1-5
New alarms for 5620 SAM Release 12.0 R1	1-6
 2 — 5620 SAM platform alarms	 2-1

Contents

3 —	Alcatel-Lucent 1830 PSS alarms	3-1
4 —	Alcatel-Lucent 5780 DSC alarms	4-1
5 —	Alcatel-Lucent 7210 SAS D alarms	5-1
6 —	Alcatel-Lucent 7210 SAS E alarms	6-1
7 —	Alcatel-Lucent 7210 SAS M alarms	7-1
8 —	Alcatel-Lucent 7210 SAS R alarms	8-1
9 —	Alcatel-Lucent 7210 SAS T alarms	9-1
10 —	Alcatel-Lucent 7210 SAS X alarms	10-1
11 —	Alcatel-Lucent 7450 ESS alarms	11-1
12 —	Alcatel-Lucent 7701 CPAA alarms	12-1
13 —	Alcatel-Lucent 7705 SAR alarms	13-1
14 —	Alcatel-Lucent 7705 SAR H alarms	14-1
15 —	Alcatel-Lucent 7710 SR alarms	15-1
16 —	Alcatel-Lucent 7750 SR alarms	16-1
17 —	Alcatel-Lucent 7750 SR MG alarms	17-1
18 —	Alcatel-Lucent 7950 XRS alarms	18-1
19 —	Alcatel-Lucent 9471 WMM alarms	19-1
20 —	Alcatel-Lucent 9500 MPR alarms	20-1

21 — Alcatel-Lucent 9500 MPRe alarms	21-1
22 — Alcatel-Lucent 9xxx eNodeB alarms	22-1
23 — Alcatel-Lucent-HIP alarms	23-1
24 — Alcatel-Lucent OS10K alarms	24-1
25 — Alcatel-Lucent OS6250 alarms	25-1
26 — Alcatel-Lucent OS6400 alarms	26-1
27 — Alcatel-Lucent OS6450 alarms	27-1
28 — Alcatel-Lucent OS6850/6850E alarms	28-1
29 — Alcatel-Lucent OS6855 alarms	29-1
30 — Alcatel-Lucent OS6900 alarms	30-1
31 — Alcatel-Lucent OS9600 alarms	31-1
32 — Alcatel-Lucent OS9700 alarms	32-1
33 — Alcatel-Lucent OS9700E/9800E alarms	33-1
34 — Alcatel-Lucent OS9800 alarms	34-1
35 — Unspecified NE alarms	35-1

Contents

1 — 5620 SAM alarm information

- 1.1 5620 SAM Alarm Reference overview 1-2**
- 1.2 NE-specific alarm information 1-3**
- 1.3 Alarm information in other formats 1-5**
- 1.4 OSS alarm monitoring 1-5**
- 1.5 New alarms by 5620 SAM release 1-5**

1.1 5620 SAM Alarm Reference overview

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

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

Table 1-1 contains a sample alarm entry.

Table 1-1 EquipmentDegraded

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

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

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

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

1.2 NE-specific alarm information

This section describes additional alarm support information for specific NEs.

Unspecified NE alarms

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



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

5620 SAM platform alarms

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

9471 WMM alarms

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

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

- severity
- probable cause
- alarm type



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

eNodeB alarms and events

The eNodeB supports the following notification types:

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

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

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

Specific problem field for eNodeB alarms

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

ADAC alarms

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

eNodeB software upgrade alarms

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

9500 MPR alarms

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

1830 PSS alarms

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

External EMS alarms

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

1.3 Alarm information in other formats

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

1.4 OSS alarm monitoring

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

1.5 New alarms by 5620 SAM release

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

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

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

Maintenance releases

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

New alarms for 5620 SAM Release 12.0 R2

Table 1-2 lists the new alarms for 5620 SAM Release 12.0 R2.

Table 1-2 New alarms for 5620 SAM Release 12.0 R2

Alarm name	Alarm ID
CTAuxMisalignmentWhileEnbAutoAllocationDisabled	5423
FanCommunicationProblem	5424
PowerSupplyInputFeedDown	5422
RFSwitchFail	5425
SubRackBatteryFail	5426
SubRackSecondaryBatteryFail	5427
WMMPMFileNotificationMissing	5387

New alarms for 5620 SAM Release 12.0 R1

Table 1-3 lists the new alarms for 5620 SAM Release 12.0 R1.

Table 1-3 New alarms for 5620 SAM Release 12.0 R1

Alarm name	Alarm ID
IK4004107	2266
IK4004126	2285
IK4004127	2286
IK4004128	2287
IK4004129	2288
IK4004130	2289
IK4004131	2290
IK4004132	2291
IK4004133	2292
IK4004134	2293
IK4004135	2294
IK4004136	2295
IK4004138	2297
IK4004139	2298
IK4005002	2301
IK4005003	2302
IK4005004	2303
IK4005006	2304
IK4005007	2305
IK4005008	2306
IK4005009	2307

(1 of 8)

Alarm name	Alarm ID
IK4005010	2308
AuxiliaryDatabaseProxyStateChangeDetected	5170
AuxiliaryDatabaseProxyUnreachable	5171
AuxiliaryDatabaseStateChangeDetected	5172
AuxiliaryDatabaseStatus	5173
DatabaseServerErrors	5174
DiamAppMessageDropped	5175
GfpLof	5176
KeyDomainErr	5177
LowSwitchFabricCap	5178
OchKeyUnavail	5179
OchKeysReused	5180
PowerSupplyACRectifierFailure	5181
ProvPowerCapacity	5182
TChipMemoryError	5183
unsupportedPortUsage	5184
IPSecUSAFailToAddRoute	5185
IPSecRUTnIFailToCreate	5186
ABSAAlarm	5187
AuthKeyConflict	5188
AGWGTPPMIPPeerLastRestartInfo	5189
GwPoolCapacityAlarmMajor	5190
GwPoolCapacityAlarmMinor	5191
IK4001031	5192
IK4003001	5193
IK4003002	5194
IK4003004	5195
IK4003006	5196
IK4003081	5197
IK4003082	5198
IK4003083	5199
IK4003103	5200
IK4004003	5201
IK4004004	5202
IK4004005	5203
IK4004006	5204
IK4004007	5205

(2 of 8)

1 – 5620 SAM alarm information

Alarm name	Alarm ID
IK4004008	5206
IK4004143	5207
IK4004193	5208
IK4004194	5209
IK4004195	5210
IK4004196	5211
IK4004197	5212
IK4005005	5213
IK4007003	5214
IK4007007	5215
IK4007009	5216
IK4007014	5217
IK4007015	5218
IK4007016	5219
IK4007017	5220
IK4007018	5221
IK4007020	5222
IK4007024	5223
IK4007025	5224
IK4007028	5225
IK4007029	5226
IK4008015	5227
IK4008016	5228
IK4008017	5229
IK4008018	5230
IK4008019	5231
IK4009008	5232
IK4009009	5233
IK4009013	5234
IK4009014	5235
IK4009017	5236
IK4009030	5237
IK4010039	5238
IK4012030	5239
IK4015000	5240
IK4015001	5241
IK4015002	5242

(3 of 8)

Alarm name	Alarm ID
IK4015007	5243
IK4015008	5244
IK4015009	5245
IK4015010	5246
IK4015011	5247
IK4015012	5248
IK4015013	5249
IK4015014	5250
IK4015015	5251
IK4015016	5252
IK4015017	5253
IK4015018	5254
IK4015019	5255
IK4015020	5256
IK4015021	5257
IK4015022	5258
IK4015023	5259
IK4015024	5260
IK4015025	5261
IK4015026	5262
IK4015027	5263
IK4015028	5264
IK4015029	5265
IK4015030	5266
IK4015031	5267
IK4016000	5268
IK4016001	5269
IK4016002	5270
IK4016003	5271
IK4016004	5272
IK4016005	5273
IK4016006	5274
IK4016007	5275
IK4016008	5276
IK4016009	5277
IK4016010	5278
IK4016011	5279

(4 of 8)

1 – 5620 SAM alarm information

Alarm name	Alarm ID
IK4016012	5280
IK4016013	5281
IK4017000	5282
IK4017001	5283
IK4017002	5284
IK4017003	5285
IK4017004	5286
IK4017005	5287
IK4017006	5288
IK4017007	5289
IK4017008	5290
IK4017009	5291
IK4017010	5292
IK4017011	5293
IK4017012	5294
IK4017013	5295
IK4018000	5296
IK4018001	5297
IK4018002	5298
IK4018003	5299
IK4018004	5300
IK4018005	5301
IK4018006	5302
IK4018007	5303
IK4018008	5304
IK4018009	5305
IK4018010	5306
IK4018011	5307
IK4018012	5308
IK4018013	5309
IK4019000	5310
IK4019001	5311
IK4019002	5312
IK4019003	5313
IK4019004	5314
IK4019005	5315
IK4019006	5316

(5 of 8)

Alarm name	Alarm ID
IK4019007	5317
IK4019008	5318
IK4019009	5319
IK4019010	5320
IK4019011	5321
IK4019012	5322
IK4019013	5323
IK4020000	5324
IK4020001	5325
IK4020002	5326
IK4020003	5327
IK4020004	5328
IK4020005	5329
IK4020006	5330
IK4020007	5331
IK4020008	5332
IK4020009	5333
IK4020010	5334
IK4020011	5335
IK4020012	5336
IK4020013	5337
IK4021000	5338
IK4021001	5339
IK4021002	5340
IK4021003	5341
IK4021004	5342
IK4021005	5343
IK4021006	5344
IK4021007	5345
IK4021008	5346
IK4021009	5347
IK4021010	5348
IK4021011	5349
IK4021012	5350
IK4021013	5351
IK4305116	5352
IK4305117	5353

(6 of 8)

1 – 5620 SAM alarm information

Alarm name	Alarm ID
IK4305118	5354
IK4305128	5355
IK4305153	5356
IK4305154	5357
IK4305184	5358
IK4305185	5359
IK4305186	5360
IK4306000	5361
IK4306015	5362
IK4306016	5363
IK4306017	5364
IK4306035	5365
IK4306036	5366
IK4306037	5367
IK4306038	5368
IK4306039	5369
IK4306040	5370
IK4306041	5371
IK4306042	5372
IK4306043	5373
IK4306061	5374
IK4306062	5375
IK4306063	5376
IK4306064	5377
IK4306065	5378
IK4306067	5379
IK4306068	5380
IK4306080	5381
IK4306081	5382
IK4306082	5383
IK4901061	5384
IK4906011	5385
IK4906012	5386
WmmLSS_cdrFileStorageSpaceThreshold	5388
netconfEventReplayFailure	5389
MldGrpIfSapCModeRxQueryMism	5390
MldGrpIfSapMaxGroupsLimitExceeded	5391

(7 of 8)

Alarm name	Alarm ID
MldGrpIfSapMaxGrpSrcLimExcd	5392
MldGrpIfSapMaxSourcesLimitExceeded	5393
MldGrpIfSapRxQueryVerMism	5394
MldMaxGrpSrcsLimitExceeded	5395
MldMaxSrcsLimitExceeded	5396
NatLsnSubscriberIcmpPortUsgHigh	5397
NatLsnSubscriberSessionUsgHigh	5398
NatLsnSubscriberTcpPortUsgHigh	5399
NatLsnSubscriberUdpPortUsgHigh	5400
ConcurrentSessionExceedsHigh	5401
ConcurrentSessionExhausted	5402
NtpChkSig	5403
StatsPollerProblem	5404
OFFlowEntryDeploymentCreateFailed	5405
OFFlowEntryDeploymentDeleteFailed	5406
OFLogicalPortStatusMplsTpNotSet	5407
OFLogicalPortStatusRsvpTeNotSet	5408
OFSwitchDown	5409
DiamAppSessionFailure	5410
SubVirtualSubnetHostsDeleted	5411
SasPmBinStatThresholdExceeded	5412
SasPmBinAlarmLimitReached	5413
SubSlaacOverride	5414
CpmProtectionViolationSDPEntry	5415
sdpPbbActvPwWithNonActvCtrlPwChg	5416
AlIBgpPeerConnectionsDown	5417
CpaaAreaUnreachableThroughISIS	5418
CpaaAreaUnreachableThroughOSPF	5419
CpaaAreaUnreachableThroughOSPFv3	5420
WppPortalUnreachable	5421

(8 of 8)

2 — 5620 SAM platform alarms



Note — Some alarms that the 5620 SAM can raise against the 5620 SAM platform may not be listed in this chapter. Associating alarms with specific domains is an ongoing Alcatel-Lucent effort. If the 5620 SAM raises an alarm against the 5620 SAM platform, and the alarm is not described in this chapter, see chapter 35 for information about the alarm.

Table 2-1 AccountingPolicyDown

Alarm	Attributes	Applicable major NE releases
Name: AccountingPolicyDown (538) Type: AccountingPolicy (54) Package: accounting Raised on class: accounting.Policy	Severity: critical Implicitly cleared: true Default probable cause: accountingPolicyDown (414)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when an accounting policy goes operationally Down after a file creation failure at the specified admin and backup locations.		
Raising condition: ('operationalState' EQUAL 'Down')		
Clearing condition: ('operationalState' NOT EQUAL 'Down')		
Remedial action: The file creation error is most likely a result of a flash disk full condition. Please analyse the content of the flash disk and remove redundant files. After this operation is complete please administratively toggle the accounting policy down/up. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 2-2 ActivitySwitch

Alarm	Attributes	Applicable major NE releases
Name: ActivitySwitch (182) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NmsSystem	Severity: critical Implicitly cleared: false Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when a 5620 SAM main server activity switch occurs.		
Remedial action: Informational - if the alarm persists or is occurring frequently perform root cause analysis to determine why connectivity between the primary and standby SAM servers is unreliable.		

Table 2-3 AlarmQueueOverflowed

Alarm	Attributes	Applicable major NE releases
Name: AlarmQueueOverflowed (3683) Type: qualityOfServiceAlarm (82) Package: netw Raised on class: netw.NmsSystem	Severity: critical Implicitly cleared: false Default probable cause: queueSizeExceeded (712)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when the alarm queue size exceeds the allowed maximum. When this happens, the 5620 SAM discards alarms.		
Remedial action: An excessive number of traps are being received by 5620 SAM from the NEs in the network. 5620 SAM discards excess traps and recovers them from the network once the trap rate subsides. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 2-4 AllArchiveLogsDeleted

Alarm	Attributes	Applicable major NE releases
Name: AllArchiveLogsDeleted (199) Type: databaseAlarm (29) Package: db Raised on class: db.DatabaseManager	Severity: warning Implicitly cleared: false Default probable cause: archivedLogsIssue (154)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when the 5620 SAM deletes all database archive logs because it requires more disk space. When database disk space is low, the 5620 SAM first deletes the archive logs that have been applied to the standby database and raises the OldArchiveLogsDeleted alarm. If deleting the applied archive logs does not free up sufficient disk space, the 5620 SAM deletes the remaining archive logs, which creates an archive log gap that requires a standby database instantiation to correct. The alarm is raised only in a redundant 5620 SAM system.		
Remedial action: The standby database should be manually re-instantiated using the commands available in the SAM GUI. Alcatel-Lucent support should be contacted for further investigation.		

Table 2-5 ArchiveLogDiskSpaceBelowThreshold

Alarm	Attributes	Applicable major NE releases
Name: ArchiveLogDiskSpaceBelowThreshold (197) Type: databaseAlarm (29) Package: db Raised on class: db.DatabaseManager	Severity: critical Implicitly cleared: false Default probable cause: diskSpaceIssue (153)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when the primary or standalone database archived log disk space threshold specified in the nms-server.xml file is reached.		
Remedial action: The archive log directory has become too full. Performing a manual database backup is required to reduce the size of this directory. If the alarm persists then the frequency of database backups must be increased.		

Table 2-6 ArchiveLogDiskSpaceSizeMismatch

Alarm	Attributes	Applicable major NE releases
Name: ArchiveLogDiskSpaceSizeMismatch (2935) Type: diskSpaceIssue (99) Package: db Raised on class: db.DatabaseManager	Severity: major Implicitly cleared: false Default probable cause: diskSpaceIssue (153)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when the primary and standby database archived log directory sizes do not match.		
Remedial action: Disk space should be adjusted on the database servers to ensure adequate and equal space is reserved.		

Table 2-7 AuthenticationFailure

Alarm	Attributes	Applicable major NE releases
Name: AuthenticationFailure (128) Type: communicationsAlarm (4) Package: security Raised on class: security.TSecurityManager	Severity: warning Implicitly cleared: true Default probable cause: multipleSecurityViolations (336)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when a configurable number of attempts to log in to a 5620 SAM client fail. The alarm information includes the user name. The 5620 SAM will clear the alarm upon a successful user login or account deletion.		
Remedial action: Informational - the additional text field of the alarm will provide more details.		

Table 2-8 AuthorizationFailure

Alarm	Attributes	Applicable major NE releases
Name: AuthorizationFailure (529) Type: communicationsAlarm (4) Package: security Raised on class: security.TSecurityManager	Severity: warning Implicitly cleared: false Default probable cause: multipleSecurityViolations (336)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when a configurable number of attempts to delete or modify an object that is not in the current user span of control fail.		
Remedial action: Informational - the additional text field of the alarm will provide more details.		

Table 2-9 BackupDiskSpaceBelowThreshold

Alarm	Attributes	Applicable major NE releases
Name: BackupDiskSpaceBelowThreshold (195) Type: databaseAlarm (29) Package: db Raised on class: db.DatabaseManager	Severity: critical Implicitly cleared: false Default probable cause: diskSpaceIssue (153)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when the primary or standalone database backup disk space threshold specified in the nms-server.xml file is reached.		
Remedial action: The additional text field of the alarm will provide more details. Additional disk space must be made available for the backup location or a different, larger backup location must be configured.		

Table 2-10 BgpEventDbSizeThresholdExceeded

Alarm	Attributes	Applicable major NE releases
Name: BgpEventDbSizeThresholdExceeded (3703) Type: configurationAlarm (11) Package: topology Raised on class: topology.BgpEventPartitionManager	Severity: variable Implicitly cleared: true Default probable cause: BGPEventDBSizesNotSufficient (1443)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when the actual DB size consumed by BGP Events exceeds the threshold.		
Remedial action: BGP Events DB storage reached threshold or exceeded, increase "Max BGP Events DB Size" in BGP Event Manager GUI.		

Table 2-11 BootConfigFailScriptNotAccesible

Alarm	Attributes	Applicable major NE releases
Name: BootConfigFailScriptNotAccesible (543) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: false Default probable cause: bootConfigFailScriptNotAccesible (416)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when a CLI script that runs after NE configuration file execution failure is inaccessible.		
Remedial action: Ensure that the CLI script (boot-bad-exec) that runs after an NE configuration file execution failure is accessible. The script location is configurable through CLI on the NE (configure system boot-bad-exec)		

Table 2-12 BootConfigOKScriptNotAccesible

Alarm	Attributes	Applicable major NE releases
Name: BootConfigOKScriptNotAccesible (544) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: false Default probable cause: bootConfigOKScriptNotAccesible (417)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when a CLI script that runs after NE configuration file execution success is inaccessible.		
Remedial action: Ensure that the CLI script (boot-good-exec) file that runs after an NE configuration file execution success is accessible. The script location is configurable through CLI on the NE (configure system boot-good-exec)		

Table 2-13 BootLoaderFirmwareMismatchAlarm

Alarm	Attributes	Applicable major NE releases
Name: BootLoaderFirmwareMismatchAlarm (617) Type: firmwareAlarm (26) Package: equipment Raised on class: equipment.ControlProcessor	Severity: critical Implicitly cleared: false Default probable cause: bootLoaderVersionMismatch (118)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when there is a mismatch between the firmware version and the software image on an NE. The alarm information includes the discovered and expected version identifiers.		
Remedial action: Either the firmware or the device SW must be upgraded to compatible versions. The image (firmware or device SW) which is the oldest should be upgraded. Firmware must be upgraded using the NE's CLI. 5620 SAM can be used to upgrade the SW image on the device.		

Table 2-14 CacheSyncCommunicationFailure

Alarm	Attributes	Applicable major NE releases
Name: CacheSyncCommunicationFailure (4390) Type: communicationsAlarm (4) Package: server Raised on class: server.SamServer	Severity: major Implicitly cleared: true Default probable cause: connectionEstablishmentError (1136)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when the 5620 SAM standby server cannot establish a warm redundancy connection with the 5620 SAM primary server.		
Remedial action: Please ensure the primary and standby servers are up and verify the cache-sync connection settings in nms-server.xml.		

Table 2-15 certifyFailureAlarm

Alarm	Attributes	Applicable major NE releases
Name: certifyFailureAlarm (533) Type: softwareAlarm (19) Package: sw Raised on class: sw.SoftwareControlModule	Severity: major Implicitly cleared: false Default probable cause: certifyFailureAlarm (402)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when the software certification process on an NE fails.		
Remedial action: The SW image on the NE may have been inadvertently corrupted. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

Table 2-16 CliCommandFailure

Alarm	Attributes	Applicable major NE releases
Name: CliCommandFailure (402) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: false Default probable cause: cliCommandFailure (300)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when a CLI command on an NE fails.		
Remedial action: Verify that the mediation profile matches the device CLI login credentials. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 2-17 CliConnectionProblem

Alarm	Attributes	Applicable major NE releases
Name: CliConnectionProblem (299) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: false Default probable cause: cliConnectionProblem (230)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when the 5620 SAM fails to open a CLI session on an NE because the number of open CLI sessions on the NE is at the maximum.		
Remedial action: Verify that connectivity can be established to the network element. For GNE devices, verify that the GNE profile matches the device operation.		

Table 2-18 ClientDelegateServerMaxUIExceeded

Alarm	Attributes	Applicable major NE releases
Name: ClientDelegateServerMaxUIExceeded (730) Type: resourceAlarm (28) Package: server Raised on class: server.ClientDelegateServer	Severity: warning Implicitly cleared: true Default probable cause: clientDelegateServerMaxUIExceeded (508)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when the total number of client GUI sessions on a client delegate server reaches or exceeds the configured maximum value.		
Remedial action: Informational - The number of available GUI client sessions has been exceeded. Please reduce the number of GUI client sessions.		

Table 2-19 CliLoginFailed

Alarm	Attributes	Applicable major NE releases
Name: CliLoginFailed (298) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: false Default probable cause: cliLoginFailed (229)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when a CLI login attempt fails because of an incorrect user name or password.		
Remedial action: Verify that the mediation profile matches the device login credentials.		

Table 2-20 CorruptedUdpPacket

Alarm	Attributes	Applicable major NE releases
Name: CorruptedUdpPacket (1921) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: variable Implicitly cleared: false Default probable cause: corruptedPacket (921)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when an UDP packet for an application is corrupted.		
Remedial action: A call trace packet contains unexpected content. If the problem persists, the source device might be generating unexpected content.		

Table 2-21 DatabaseArchivedLogNotApplied

Alarm	Attributes	Applicable major NE releases
Name: DatabaseArchivedLogNotApplied (205) Type: configurationAlarm (11) Package: db Raised on class: db.DatabaseManager	Severity: warning Implicitly cleared: true Default probable cause: databaseArchivedLogNotApplied (159)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when, during a database backup, the 5620 SAM determines that the archive logs are not being applied to the standby database, as indicated by the archive log gap. The archive log gap threshold is defined in the nms-server.xml file. The alarm is raised only in a redundant 5620 SAM system.		
Remedial action: Possible causes include loss of network connectivity between the primary and standby database platforms or network latency. If problem does not appear to be network connectivity/latency related then please contact Alcatel-Lucent support for assistance.		

Table 2-22 DatabaseBackupFailed

Alarm	Attributes	Applicable major NE releases
Name: DatabaseBackupFailed (136) Type: configurationAlarm (11) Package: db Raised on class: db.DatabaseManager	Severity: major Implicitly cleared: false Default probable cause: databaseBackupFailure (109)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when the database backup files cannot be created because of, for example, a lack of disk space or insufficient file permissions.		
Remedial action: Check the additional text of the alarm for guidance as to the specifics of the problem. Possible causes are lack of disk space or insufficient file permissions or the backup cannot finish on time. If the backup cannot finish on time, re-attempt the database backup.		

Table 2-23 DatabaseBackupInvalidConfig

Alarm	Attributes	Applicable major NE releases
Name: DatabaseBackupInvalidConfig (1117) Type: configurationAlarm (11) Package: db Raised on class: db.DatabaseManager	Severity: major Implicitly cleared: true Default probable cause: InvaliddbBackupConfiguration (829)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when the directory location specified for database scheduled backups is empty.		
Remedial action: A configuration error has been made which must be corrected. The backup destination must be configured in the database backup policy.		

Table 2-24 DatabaseBackupRsyncFailed

Alarm	Attributes	Applicable major NE releases
Name: DatabaseBackupRsyncFailed (749) Type: databaseAlarm (29) Package: db Raised on class: db.DatabaseManager	Severity: warning Implicitly cleared: false Default probable cause: databaseBackupFileRsyncFailed (525)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when one or more database backup files cannot be copied to the standby database station.		
Remedial action: The additional text field of the alarm will provide more details as will the EmsServer.log. Possible causes include a HW failure on the platform hosting the standby database function, loss of network connectivity between the primary and standby database servers.		

Table 2-25 DatabaseRedundancyArchiveGap

Alarm	Attributes	Applicable major NE releases
Name: DatabaseRedundancyArchiveGap (611) Type: configurationAlarm (11) Package: db Raised on class: db.DatabaseManager	Severity: major Implicitly cleared: true Default probable cause: DatabaseRedundancyArchiveGap (454)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when the primary 5620 SAM main server detects an archive log gap. An archive log gap occurs when a number of archive logs cannot be applied to the standby database. The alarm may indicate that the primary database is out of archive log disk space, the standby database has been down for too long, or the standby database is not able to process the archive logs at the rate that the primary database sends them. The alarm clears after a standby database reinstantiation, which corrects the archive log gap. The alarm is raised only in a redundant 5620 SAM system.		
Remedial action: The standby database should be manually re-instantiated using the commands available in the SAM GUI. Alcatel-Lucent support should be contacted for further investigation.		

Table 2-26 DatabaseRedundancyFailure

Alarm	Attributes	Applicable major NE releases
Name: DatabaseRedundancyFailure (246) Type: configurationAlarm (11) Package: db Raised on class: db.DatabaseManager	Severity: critical Implicitly cleared: true Default probable cause: DatabaseRedundancyFailure (184)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when the 5620 SAM detects a standby database problem, for example, the database is down or not in managed recovery mode. The alarm clears when the standby database is functional. The alarm is raised only in a redundant 5620 SAM system.		
Remedial action: The additional text field of the alarm will provide more details as will the EmsServer.log. Possible causes include a HW failure on the platform hosting the standby database function, loss of network connectivity between the primary and standby database		

Table 2-27 DatabaseRedundancyOutOfSync

Alarm	Attributes	Applicable major NE releases
Name: DatabaseRedundancyOutOfSync (302) Type: configurationAlarm (11) Package: db Raised on class: db.DatabaseManager	Severity: warning Implicitly cleared: true Default probable cause: DatabaseRedundancyOutOfSync (233)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when the primary 5620 SAM server polls the primary and standby databases and detects a difference in the primary and standby database archive log sequence numbers that is greater than one. The alarm may indicate that the primary database is not sending archive logs to the standby quickly enough, or that the standby database is not able to process the archive logs at the rate that the primary sends them. The alarm is raised only in a redundant 5620 SAM system.		
Remedial action: Possible causes include loss of network connectivity between the primary and standby database platforms or network latency. Ensure that network connectivity is available and that network latency is within limits published by Alcatel-Lucent. If the network is functioning contact Alcatel-Lucent support for assistance.		

Table 2-28 DatabaseRedundancyRealTimeApplyFailure

Alarm	Attributes	Applicable major NE releases
Name: DatabaseRedundancyRealTimeApplyFailure (296) Type: configurationAlarm (11) Package: db Raised on class: db.DatabaseManager	Severity: warning Implicitly cleared: true Default probable cause: DatabaseRedundancyRealTimeApplyFailure (227)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when database redundancy falls out of real-time apply transfer mode, which means that the primary database transactions are not immediately replicated to the standby database. The alarm clears when the database is operating in real-time apply mode.		
Remedial action: Possible causes include loss of network connectivity between the primary and standby database platforms or network latency. This can be intermittent where the software will recover from this state. Ensure that network connectivity is available and that network latency is within limits published by Alcatel-Lucent. If the network is functioning contact Alcatel-Lucent support for assistance.		

Table 2-29 DataFileDiskSpaceBelowThreshold

Alarm	Attributes	Applicable major NE releases
Name: DataFileDiskSpaceBelowThreshold (196) Type: databaseAlarm (29) Package: db Raised on class: db.DatabaseManager	Severity: critical Implicitly cleared: true Default probable cause: diskSpaceIssue (153)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when the primary or standalone database data file disk space threshold specified in the nms-server.xml file is reached.		
Remedial action: Informational - it may be necessary to add additional disk capacity to the platform. Please contact Alcatel-Lucent support for assistance.		

Table 2-30 DatafileSizeAboveThreshold

Alarm	Attributes	Applicable major NE releases
Name: DatafileSizeAboveThreshold (750) Type: databaseAlarm (29) Package: db Raised on class: db.DatabaseManager	Severity: variable Implicitly cleared: true Default probable cause: HighNumberOfRecords (526)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when a tablespace data file size exceeds the used space threshold.		
Remedial action: The probable cause of this alarm is the storage of too many records in the database. If the alarm persists please contact Alcatel-Lucent support for assistance.		

Table 2-31 DataLossAlarm (equipment)

Alarm	Attributes	Applicable major NE releases
Name: DataLossAlarm (148) Type: storageAlarm (25) Package: equipment Raised on class: equipment.FlashMemory	Severity: major Implicitly cleared: true Default probable cause: dataLoss (122)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when a device detects an error while writing to a compact flash unit.		
Remedial action: The frequency at which accounting statistics are being collected must be reduced. Optionally an statistics AUX server may be added to the SAM platform complex in order to offload the statistics collection task from the main SAM server.		

Table 2-32 DataLossAlarm (sw)

Alarm	Attributes	Applicable major NE releases
Name: DataLossAlarm (148) Type: storageAlarm (25) Package: sw Raised on class: sw.AccountingStatsRetrievalManager	Severity: major Implicitly cleared: false Default probable cause: dataLoss (122)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when the 5620 SAM receives the tmxLogAccountingDataLoss trap, which is sent when a statistics collection interval ends while an NE is writing data to an accounting file. The statistics collection for the interval stops immediately, and collection for the next interval begins. The accounting statistics file for the interrupted collection contains an incomplete data set as a result.		
Remedial action: The collection interval configured on the NE is too short. Please lengthen the collection interval such that the NE has sufficient time to complete data collection within one interval. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 2-33 DBFailOver

Alarm	Attributes	Applicable major NE releases
Name: DBFailOver (201) Type: configurationAlarm (11) Package: db Raised on class: db.DatabaseManager	Severity: critical Implicitly cleared: true Default probable cause: databasePrimaryDown (155)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when a database failover occurs. A standby database reinstantiation is required. The alarm clears when the standby database is online.		
Remedial action: The standby database should be manually re-instantiated using the commands available in the SAM GUI.		

Table 2-34 DefaultInstanceInconsistency

Alarm	Attributes	Applicable major NE releases
Name: DefaultInstanceInconsistency (211) Type: ConfigurationAlarm (15) Package: policy Raised on class: policy.Manager	Severity: warning Implicitly cleared: true Default probable cause: multipleDefaultInstancesEncountered (54)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when an accounting policy is the default for more than one service type or more than one network type.		
Raising condition: ('defaultInstanceInconsistency' EQUAL 'true')		
Clearing condition: ('defaultInstanceInconsistency' EQUAL 'false')		
Remedial action: Informational		

Table 2-35 DeployerObjectsLimitExceeded

Alarm	Attributes	Applicable major NE releases
Name: DeployerObjectsLimitExceeded (3314) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NmsSystem	Severity: major Implicitly cleared: false Default probable cause: tooManyDeployerObjects (1153)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when the number of deployed objects or attributes exceeds the 5620 SAM system limit.		
Remedial action: Clear failed deployers to make deployers available for network operations.		

Table 2-36 DeploymentFailure

Alarm	Attributes	Applicable major NE releases
Name: DeploymentFailure (13) Type: deploymentFailure (5) Package: generic Raised on class: generic.GenericObject	Severity: minor Implicitly cleared: true Default probable cause: failedToModifyNetworkResource (11)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when the 5620 SAM is unable to create, modify, or delete a network object because of NE unreachability or a failed SNMP set operation. The alarm information includes the deployment ID, the requesting user ID, and the deployment type.		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM		

Table 2-37 DiskSpaceBelowThreshold

Alarm	Attributes	Applicable major NE releases
Name: DiskSpaceBelowThreshold (1934) Type: serverAlarm (94) Package: server Raised on class: server.SamServer	Severity: variable Implicitly cleared: false Default probable cause: diskSpaceIssue (153)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when the disk space threshold is reached.		
Remedial action: This is a generic error if SAM Server free disk space is below acceptable levels. The additional text field of the alarm will provide more details of the specific problem. Reduce the disk space by changing file retention times or disk usage limits. It may be necessary to add additional disk space to the system to resolve the problem.		

Table 2-38 DroppedUdpPackets

Alarm	Attributes	Applicable major NE releases
Name: DroppedUdpPackets (1935) Type: communicationsAlarm (4) Package: server Raised on class: server.SamServer	Severity: variable Implicitly cleared: false Default probable cause: tooManyUdpPacketsBuffered (926)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when the number of UDP Packets that await processing by the 5620 SAM surpasses the server's capacity to process them.		
Remedial action: The eNodeB NEs in the network are generating more data than 5620 SAM can process. Reduce the number of eNodeBs actively collecting Call Trace data to reduce the scope of data collection (i.e. be selective on the interfaces being traced).		

Table 2-39 DuplicateRouterIdProblem

Alarm	Attributes	Applicable major NE releases
Name: DuplicateRouterIdProblem (411) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: false Default probable cause: duplicateRouterId (168)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when the 5620 SAM detects that the same address is being used by multiple NEs. To prevent 5620 SAM database corruption, the 5620 SAM does not discover the NE with the duplicate address.		
Remedial action: A configuration error has been made which must be corrected. Re-configure the IP address in error to a correct value.		

Table 2-40 EMSysystemAlarmOverLoad

Alarm	Attributes	Applicable major NE releases
Name: EMSysystemAlarmOverLoad (3741) Type: processingErrorAlarm (81) Package: hip Raised on class: hip.EMSystem	Severity: critical Implicitly cleared: true Default probable cause: systemResourcesOverload (1505)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when the 5620 SAM detects an overload of EMS alarms in the alarm list.		
Raising condition: ('alarmOverLoaded' EQUAL 'true')		
Clearing condition: ('alarmOverLoaded' EQUAL 'false')		
Remedial action: Informational - no corrective action required.		

Table 2-41 EMSystemUnreachable

Alarm	Attributes	Applicable major NE releases
Name: EMSystemUnreachable (2947) Type: communicationsAlarm (4) Package: hip Raised on class: hip.EMSystem	Severity: major Implicitly cleared: true Default probable cause: connectionEstablishmentError (1136) Applicable probable causes: <ul style="list-style-type: none"> connectionEstablishmentError transmissionError fireDetected lossOfRedundancy protectionMechanismFailure protectingResourceFailure excessiveResponseTime excessiveRetransmissionRate 	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when the 5620 SAM detects a HIP communication link failure to the EM System while the EM System is administratively up. The alarm clears when the HIP link returns to service or the EM System is no longer administratively up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Network Connection Status' NOT EQUAL 'Up'))		
Clearing condition: (('Administrative State' NOT EQUAL 'Up') OR ('Network Connection Status' EQUAL 'Up'))		
Remedial action: Check network connectivity between the SAM main server and EM System server. Check that the EM System is running and connectivity to SAM is operational.		

Table 2-42 EventsThrottled

Alarm	Attributes	Applicable major NE releases
Name: EventsThrottled (356) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: false Default probable cause: snmpDaemonOverloaded (141)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when an NE throttles events because the event rate exceeds the configured maximum.		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation on the NE is required to understand what is causing the consistently high rate of event traffic.		

Table 2-43 FailureToSwitchManagementProtocol

Alarm	Attributes	Applicable major NE releases
Name: FailureToSwitchManagementProtocol (1076) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NodeDiscoveryControl	Severity: major Implicitly cleared: false Default probable cause: managementAddressInvalid (812)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when the 5620 SAM cannot switch the management address of an NE from one IP version to another.		

(1 of 2)

2 — 5620 SAM platform alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: The additional text field of the alarm will provide guidance as to the reason for the failure - the most probable cause is a configuration error. The configuration error must be corrected. Once the issue has been resolved SAM will automatically re-attempt.		

(2 of 2)

Table 2-44 FrameSizeProblem (service)

Alarm	Attributes	Applicable major NE releases
Name: FrameSizeProblem (37) Type: configurationAlarm (11) Package: service Raised on class: service.Service	Severity: warning Implicitly cleared: true Default probable cause: frameSizeProblem (33)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when a provisioned MTU size value is greater than the supported MTU size value.		
Raising condition: ('mtulInconsistent' EQUAL 'true')		
Clearing condition: ('mtulInconsistent' EQUAL 'false')		
Remedial action: A configuration error has been made which must be corrected. The MTU value must be changed such that is less than or equal to the supported MTU size value.		

Table 2-45 FtpClientFailure

Alarm	Attributes	Applicable major NE releases
Name: FtpClientFailure (357) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: false Default probable cause: ftpClientFailure (257)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when an NE sends notification that an FTP operation initiated by the FTP client fails because of file unavailability, interruption during the file transfer, or a lack of available storage space.		
Remedial action: Investigation is required to resolve the following possible scenarios: insufficient disk space on the NE to accommodate the file transfer being attempted; the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

Table 2-46 HostnameMismatch

Alarm	Attributes	Applicable major NE releases
Name: HostnameMismatch (732) Type: configurationAlarm (11) Package: server Raised on class: server.SamServer	Severity: critical Implicitly cleared: false Default probable cause: hostnameMismatch (509)	<ul style="list-style-type: none"> 12.0 R2

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when an auxiliary or standby server host name in a 5620 SAM main server configuration does not match the host name of the auxiliary or standby server /etc/hosts file.		
Remedial action: A configuration error has been made which must be corrected. The standby SAM server or AUX server host names on the 5620 SAM server are not resolving correctly and must be corrected (i.e. in the /etc/hosts file).		

(2 of 2)

Table 2-47 InBandManagementConnectionDown

Alarm	Attributes	Applicable major NE releases
Name: InBandManagementConnectionDown (139) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NodeDiscoveryControl	Severity: critical Implicitly cleared: true Default probable cause: managementConnectionDown (111)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when the 5620 SAM cannot reach a managed NE using the ping function over an in-band connection.		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM		

Table 2-48 InstallDirectoryDiskSpaceBelowThreshold

Alarm	Attributes	Applicable major NE releases
Name: InstallDirectoryDiskSpaceBelowThreshold (612) Type: databaseAlarm (29) Package: db Raised on class: db.DatabaseManager	Severity: major Implicitly cleared: true Default probable cause: diskSpaceIssue (153)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when the primary or standalone database installation disk space threshold specified in the nms-server.xml file is reached.		
Remedial action: The Oracle Proxy purges the log based on database file policy configuration. Reducing the number of archives to keep and/or size of the log files or increasing the available disk space will resolve the problem. If alarm persists please contact Alcatel-Lucent support for assistance.		

Table 2-49 JMSClientMessagesRemoved

Alarm	Attributes	Applicable major NE releases
Name: JMSClientMessagesRemoved (532) Type: communicationsAlarm (4) Package: security Raised on class: security.User	Severity: minor Implicitly cleared: false Default probable cause: maximumExceededMessages (297)	<ul style="list-style-type: none"> 12.0 R2

(1 of 2)

2 — 5620 SAM platform alarms

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when the number of JMS messages that are queued for a 5620 SAM client exceeds the allowed number. The 5620 SAM subsequently deletes messages to keep the number within the allowed range.		
Remedial action: Information - if the alarm persists or is occurring frequently then investigation is required to determine a) why the underlying transport network is unreliable or b) why the OSS client which initiated the JMS connection is unable to process the JMS messages.		

(2 of 2)

Table 2-50 JMSDurableClientReset

Alarm	Attributes	Applicable major NE releases
Name: JMSDurableClientReset (530) Type: communicationsAlarm (4) Package: security Raised on class: security.User	Severity: warning Implicitly cleared: true Default probable cause: jmsServerRestart (401)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when a durable JMS client is removed from the 5620 SAM because of a JMS server restart or switchover.		
Remedial action: Informational - the JMS server has restarted. If the alarm persists contact Alcatel-Lucent support for assistance.		

Table 2-51 JMSDurableClientUnsubscribed

Alarm	Attributes	Applicable major NE releases
Name: JMSDurableClientUnsubscribed (531) Type: communicationsAlarm (4) Package: security Raised on class: security.User	Severity: minor Implicitly cleared: false Default probable cause: maximumExceededMessages (297)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when a durable JMS client is unsubscribed and removed from the 5620 SAM.		
Remedial action: Informational - the durable message limit for the topic has been reached and disconnected clients are automatically unsubscribed. An investigation is required to understand a) why the underlying transport network is unreliable or b) why the OSS client which initiated the JMS connection is unable to process the JMS messages.		

Table 2-52 JMSServerDown

Alarm	Attributes	Applicable major NE releases
Name: JMSServerDown (360) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NmsSystem	Severity: critical Implicitly cleared: false Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when JMS communication fails.		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the SAM server and the OSS system is unreliable.		

(2 of 2)

Table 2-53 JMSServerMemoryLow

Alarm	Attributes	Applicable major NE releases
Name: JMSServerMemoryLow (3693) Type: communicationsAlarm (4) Package: security Raised on class: security.User	Severity: major Implicitly cleared: false Default probable cause: jmsMessageQueueBacklog (1432)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when available memory on the JMS server is low.		
Remedial action: This is probably caused by SAM GUI clients or OSS clients having a large backlog of events on the JMS server. If available memory continues to decrease, the client with the largest backlog will be removed by the server. Please see the Additional Text field to identify the client with the largest backlog. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 2-54 KeyChainAuthFailure

Alarm	Attributes	Applicable major NE releases
Name: KeyChainAuthFailure (421) Type: communicationsAlarm (4) Package: security Raised on class: security.KeyChain	Severity: major Implicitly cleared: false Default probable cause: keyChainAuthFailure (314)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when an incoming packet is dropped because of a TCP key chain authentication failure.		
Remedial action: A configuration error has been made which must be corrected. The TCP configuration related to authentication differs between the systems upon which the connection endpoints reside. Compare the configuration on the endpoint and correct the mismatch.		

Table 2-55 LicensedCpaaLimitExceeded

Alarm	Attributes	Applicable major NE releases
Name: LicensedCpaaLimitExceeded (389) Type: cpamLicensingAlarm (39) Package: security Raised on class: security.CpamLicense	Severity: critical Implicitly cleared: true Default probable cause: cpamLicensedLimitExceeded (285)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when the number of 7701 CPAAs in the network reaches 100 percent of the license capacity.		
Raising condition: ('isLicensedCpaaLimitExceeded' EQUAL 'true')		
Clearing condition: ('isLicensedCpaaLimitExceeded' NOT EQUAL 'true')		

(1 of 2)

2 — 5620 SAM platform alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: Informational - The number of CPAA licenses purchased and available on the CPAM server is insufficient as compared to the number of CPAAs under management in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

(2 of 2)

Table 2-56 LicensedCpaaLimitNearing

Alarm	Attributes	Applicable major NE releases
Name: LicensedCpaaLimitNearing (390) Type: cpamLicensingAlarm (39) Package: security Raised on class: security.CpamLicense	Severity: warning Implicitly cleared: true Default probable cause: cpamLicensedLimitNearing (283)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when the number of 7701 CPAAs in the network reaches 75 to 90 percent of the license capacity.		
Remedial action: Informational - The number of CPAA licenses purchased and available on the CPAM server is insufficient as compared to the number of CPAAs under management in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

Table 2-57 LicensedCpaaLimitNearlyExceeded

Alarm	Attributes	Applicable major NE releases
Name: LicensedCpaaLimitNearlyExceeded (391) Type: cpamLicensingAlarm (39) Package: security Raised on class: security.CpamLicense	Severity: major Implicitly cleared: true Default probable cause: cpamLicensedLimitNearlyExceeded (284)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when the number of 7701 CPAAs in the network reaches 90 to 100 percent of the license capacity.		
Remedial action: Informational - The number of CPAA licenses purchased and available on the CPAM server is insufficient as compared to the number of CPAAs under management in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

Table 2-58 LicensedLimitNearing

Alarm	Attributes	Applicable major NE releases
Name: LicensedLimitNearing (1931) Type: licensingAlarm (23) Package: security Raised on class: security.ProductLicense	Severity: warning Implicitly cleared: true Default probable cause: licensedLimitNearing (132)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when the license items in the network reaches 75 to 90 percent of the license capacity.		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: Informational - The number of SAM licenses purchased and available on the SAM server is insufficient as compared to the number of NEs/MDA/Cells under management in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

(2 of 2)

Table 2-59 LicensedLimitNearlyExceeded

Alarm	Attributes	Applicable major NE releases
Name: LicensedLimitNearlyExceeded (1932) Type: licensingAlarm (23) Package: security Raised on class: security.ProductLicense	Severity: major Implicitly cleared: true Default probable cause: licensedLimitNearlyExceeded (133)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when the license items in the network reaches 90 to 100 percent of the license capacity.		
Remedial action: Informational - The number of SAM licenses purchased and available on the SAM server is insufficient as compared to the number of NEs/MDA/Cells under management in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

Table 2-60 LicensedLimitReached

Alarm	Attributes	Applicable major NE releases
Name: LicensedLimitReached (1933) Type: licensingAlarm (23) Package: security Raised on class: security.ProductLicense	Severity: major Implicitly cleared: true Default probable cause: licensedLimitReached (925)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when the license items in the network reaches 100 percent of the license capacity.		
Remedial action: Informational - The number of SAM licenses purchased and available on the SAM server is insufficient as compared to the number of NEs/MDA/Cells under management in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

Table 2-61 LicenseKeysInvalid

Alarm	Attributes	Applicable major NE releases
Name: LicenseKeysInvalid (1122) Type: licensingAlarm (23) Package: security Raised on class: security.AbstractLicense	Severity: warning Implicitly cleared: true Default probable cause: LicenseKeysInvalid (836)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when the 5620 SAM server configuration is updated with a new license key and the license key is not valid.		

(1 of 2)

2 — 5620 SAM platform alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: Informational - The license key information entered is invalid. Please re-enter the license key information. If the alarm persists contact Alcatel-Lucent support for assistance.		

(2 of 2)

Table 2-62 LicenseMismatch

Alarm	Attributes	Applicable major NE releases
Name: LicenseMismatch (342) Type: licensingAlarm (23) Package: security Raised on class: security.AbstractLicense	Severity: critical Implicitly cleared: false Default probable cause: licenseMismatch (247)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when the primary 5620 SAM main server license does not match the standby 5620 SAM main server license.		
Remedial action: Informational - Please ensure that the same license key is installed on both the active and standby SAM/CPAM servers		

Table 2-63 LicenseUpgradeFailed

Alarm	Attributes	Applicable major NE releases
Name: LicenseUpgradeFailed (4389) Type: configurationAlarm (11) Package: nelicense Raised on class: nelicense.LicenseUpgradeStatus	Severity: major Implicitly cleared: false Default probable cause: fileAccessError (90)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when an NE license upgrade using the 5620 SAM fails.		
Remedial action: Investigation is required to resolve the following possible scenarios: the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues. Invalid License File.		

Table 2-64 LicenseViolation

Alarm	Attributes	Applicable major NE releases
Name: LicenseViolation (1930) Type: licensingAlarm (23) Package: security Raised on class: security.ProductLicense	Severity: warning Implicitly cleared: true Default probable cause: licenseViolation (924) Applicable probable causes: <ul style="list-style-type: none"> licenseViolation HostIdUsedInsteadOfUUIDForX86 	<ul style="list-style-type: none"> 12.0 R2

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when a license violation has occurred. Alarms raised against licensed products, due to the licensed product limit being zero at the time of node discovery, will be implicitly cleared if a new license that sets the licensed product limit to not zero is imported.		
Remedial action: Informational - the additional text field of the alarm will provide more details. If the alarm persists contact Alcatel-Lucent Sales to purchase additional licenses.		

(2 of 2)

Table 2-65 LogLocFailure

Alarm	Attributes	Applicable major NE releases
Name: LogLocFailure (340) Type: storageAlarm (25) Package: file Raised on class: file.Policy	Severity: variable Implicitly cleared: false Default probable cause: AdminLocFailure (244) Applicable probable causes: <ul style="list-style-type: none"> AdminLocFailure BackupLocFailure 	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when an attempt to create a log or billing file fails. The probable cause is AdminLocFailure when using the admin location fails, in which case the backup location, if specified, is used. The probable cause is BackupLocFailure when using the backup location fails.		
Remedial action: The flash device targeted to store the log or billing file is either full or the directory does not exist. An analysis of the files on the flash device needs to be analyzed and redundant files removed or the directory must be configured. Log into the NE via the CLI to perform the cleanup/creation operations.		

Table 2-66 ManagementAccessFilterMisconfigured

Alarm	Attributes	Applicable major NE releases
Name: ManagementAccessFilterMisconfigured (76) Type: configurationAlarm (11) Package: sitesec Raised on classes: <ul style="list-style-type: none"> sitesec.MacMafEntry sitesec.MafEntry 	Severity: warning Implicitly cleared: true Default probable cause: invalidSourcePortIdentifier (61)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when a MAF is misconfigured.		
Raising condition: ('isValidSourcePortName' EQUAL 'false')		
Clearing condition: ('isValidSourcePortName' EQUAL 'true')		
Remedial action: A configuration error has occurred which must be corrected. Please check the management access filter configuration for errors.		

Table 2-67 ManagementAccessFilterMisconfiguredIpv6

Alarm	Attributes	Applicable major NE releases
Name: ManagementAccessFilterMisconfiguredIpv6 (1112) Type: configurationAlarm (11) Package: sitesec Raised on class: sitesec.MafIPv6Entry	Severity: warning Implicitly cleared: true Default probable cause: invalidSourcePortIdentifier (61)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when an IPv6 MAF is misconfigured.		
Raising condition: ('isValidSourcePortName' EQUAL 'false')		
Clearing condition: ('isValidSourcePortName' EQUAL 'true')		
Remedial action: A configuration error has occurred which must be corrected. Please check the management access filter configuration for errors.		

Table 2-68 ManagementInterfaceProtectionSwitch

Alarm	Attributes	Applicable major NE releases
Name: ManagementInterfaceProtectionSwitch (34) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: false Default probable cause: switchToInband (814) Applicable probable causes: <ul style="list-style-type: none"> switchToInband switchToOutband 	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when an NE has in-band and out-of-band management interfaces and switches from one type of management to the other.		
Remedial action: Informational		

Table 2-69 ManagementIpAddressMismatch

Alarm	Attributes	Applicable major NE releases
Name: ManagementIpAddressMismatch (1943) Type: communicationsAlarm (4) Package: netw Raised on class: netw.DiscoveredNode	Severity: major Implicitly cleared: true Default probable cause: mismatchOfManagementIpAddress (931)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when the IP address of the shadow network element does not match with the IP address of the discovered NE.		
Remedial action: A configuration error has been made which must be corrected. One of 2 scenario is possible a) the IP address assigned to the shadow NE is incorrect or the IP address configured on the NE itself is incorrect.		

Table 2-70 ManagementIPSwitchUnsupported

Alarm	Attributes	Applicable major NE releases
Name: ManagementIPSwitchUnsupported (1078) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NodeDiscoveryControl	Severity: warning Implicitly cleared: false Default probable cause: managementAddressInvalid (812)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when an attempt is made to switch the management address of an NE from one IP version to another.		
Remedial action: The additional text field of the alarm will provide guidance as to the reason for the failure - the most probable cause is a configuration error. The configuration error must be corrected. Once the issue has been resolved SAM will automatically re-attempt.		

Table 2-71 MaxExecutingScripts

Alarm	Attributes	Applicable major NE releases
Name: MaxExecutingScripts (3686) Type: serverAlarm (94) Package: script Raised on class: script.AbstractScript	Severity: major Implicitly cleared: false Default probable cause: maxExecutingScripts (1425)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when the maximum number of scripts allowed to execute concurrently is exceeded.		
Remedial action: The number of being scripts executed simultaneously has exceeded to maximum allowed. Reduce the number of scripts being executed. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 2-72 MediationAuthenticationFailure (security)

Alarm	Attributes	Applicable major NE releases
Name: MediationAuthenticationFailure (75) Type: communicationsAlarm (4) Package: security Raised on class: security.BaseMediationPolicy	Severity: warning Implicitly cleared: true Default probable cause: unsupportedSecLevel (55) Applicable probable causes: <ul style="list-style-type: none"> unsupportedSecLevel notInTimeWindow unknownUserName unknownEngineID wrongDigest decryptionError 	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when a mediation authentication failure occurs. This alarm is automatically cleared when mediation is restored for nodes that use the same mediation policy for read, write and trap access.		
Remedial action: A configuration error has been made which must be corrected. Create the necessary mediation policy and associate the policy with the NE type.		

Table 2-73 MediationAuthenticationFailure (snmp)

Alarm	Attributes	Applicable major NE releases
Name: MediationAuthenticationFailure (75) Type: communicationsAlarm (4) Package: snmp Raised on class: snmp.PollerManager	Severity: critical Implicitly cleared: false Default probable cause: noMediationPolicyFound (62)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when an NE has no associated 5620 SAM mediation policy.		
Remedial action: A configuration error has been made which must be corrected. Create the necessary mediation policy and associate the policy with the NE type.		

Table 2-74 MemoryConsumption

Alarm	Attributes	Applicable major NE releases
Name: MemoryConsumption (216) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: tooManyTrapsBuffered (173)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when one of the following occurs. - The number of traps from a particular NE that await processing by the 5620 SAM surpasses the NE red threshold for trap memory management in the 5620 SAM server configuration. - The global number of traps that await processing by the 5620 SAM surpasses the yellow threshold for trap memory management in the 5620 SAM server configuration. Caution: Alcatel-Lucent strongly recommends against modifying NE trap management threshold values; modifying these values can seriously degrade 5620 SAM performance. The alarm clears when one of the following occurs. - The number of traps from the NE that await processing falls below the NE red threshold. - The global number of traps that await processing falls below the system yellow threshold. The NE is resynchronized only if required.		
Remedial action: Informational - if the alarm persists or is occurring frequently perform root cause analysis to determine why the NEs in the network are consistently generating high rates of alarms.		

Table 2-75 MemoryThresholdCrossingAlarm

Alarm	Attributes	Applicable major NE releases
Name: MemoryThresholdCrossingAlarm (1936) Type: configurationAlarm (11) Package: server Raised on class: server.SamServer	Severity: variable Implicitly cleared: false Default probable cause: lowMemoryConfigured (927)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when the available memory on the 5620 SAM server drops below the warning threshold.		
Remedial action: Informational - Memory threshold settings are not configurable. Please contact Alcatel-Lucent support for assistance.		

Table 2-76 MisconfiguredNode

Alarm	Attributes	Applicable major NE releases
Name: MisconfiguredNode (382) Type: configurationAlarm (11) Package: netw Raised on class: netw.Topology	Severity: major Implicitly cleared: false Default probable cause: persistOff (281) Applicable probable causes: <ul style="list-style-type: none"> • persistOff • noSystemAddress • noIpv4Address • duplicateSystemAddress • sameManagementSystemAddress 	<ul style="list-style-type: none"> • 12.0 R2
Description: The alarm is raised when the 5620 SAM tries to discover an NE that is not properly configured for management. For example, when persistence is set to Off in the NE BOF, when the NE has no system address or NE share same management and system address.		
Remedial action: A configuration error has been made which must be corrected. The configuration error must be corrected per the discussion in the description for this alarm.		

Table 2-77 MissedStatsCatchUpCollection

Alarm	Attributes	Applicable major NE releases
Name: MissedStatsCatchUpCollection (2895) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: snmpDown (306)	<ul style="list-style-type: none"> • 12.0 R2
Description: The alarm is raised when a 5620 SAM main server cannot communicate with the node to retrieve missed collections intervals. It is cleared after 5620 SAM main server can retrieve missed collections intervals.		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM.		

Table 2-78 MissedStatsCollection

Alarm	Attributes	Applicable major NE releases
Name: MissedStatsCollection (355) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> • 12.0 R2
Description: The alarm is raised when a 5620 SAM main server cannot collect statistics from the node during a statistics poll. It is cleared after 5620 SAM main server can collect statistics from the node during a statistics poll.		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the node and the SAM server cannot be established.		

Table 2-79 NodeAlreadyManagedOverAnotherProtocol

Alarm	Attributes	Applicable major NE releases
Name: NodeAlreadyManagedOverAnotherProtocol (1080) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: false Default probable cause: nodeAlreadyDiscovered (818)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when the 5620 SAM tries to rediscover a previously discovered NE using a different IP version.		
Remedial action: Informational		

Table 2-80 NodeColdStart

Alarm	Attributes	Applicable major NE releases
Name: NodeColdStart (172) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: false Default probable cause: nodeColdStart (135)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when the 5620 SAM receives a SNMPv2-MIB.coldStart trap from an NE.		
Remedial action: Informational - 5620 SAM has received an indication from an NE that it has restarted. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 2-81 NodeDataMismatch

Alarm	Attributes	Applicable major NE releases
Name: NodeDataMismatch (3315) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: false Default probable cause: nodeDataMismatch (1154)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when the 5620 SAM Data model and node is mismatched.		
Remedial action: Resync the object or update it with the appropriate values.		

Table 2-82 NodeUpgraded

Alarm	Attributes	Applicable major NE releases
Name: NodeUpgraded (178) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: info Implicitly cleared: false Default probable cause: upgradedNodeVersion (140)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when the 5620 SAM detects an NE software version upgrade.		
Remedial action: Informational		

Table 2-83 NodeVersionMismatch

Alarm	Attributes	Applicable major NE releases
Name: NodeVersionMismatch (177) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: false Default probable cause: DowngradedNodeVersion (139)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when the software version on an NE differs from the version recorded for the NE in the 5620 SAM database.		
Remedial action: The NE has been manually downloaded with a new version of SW. Unmanage and re-manage this node to clear the alarm. If software version on the NE is incompatible with the version of 5620 SAM, then the SW should be reverted to a compatible version for SAM (then unmanage and re-manage the node).		

Table 2-84 OldArchiveLogsDeleted

Alarm	Attributes	Applicable major NE releases
Name: OldArchiveLogsDeleted (198) Type: databaseAlarm (29) Package: db Raised on class: db.DatabaseManager	Severity: warning Implicitly cleared: false Default probable cause: archivedLogsIssue (154)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when the 5620 SAM deletes the applied archive logs because database disk space is low. In a standalone deployment, the 5620 SAM deletes all archive logs. In a redundant deployment, the 5620 SAM deletes the applied archive logs, and can raise the alarm against the primary or standby database.		
Remedial action: Informational - verify there is adequate disk space for the archive log files on the database servers. If the alarm persists then the frequency of database backups should be increased.		

Table 2-85 OneWayCommunication

Alarm	Attributes	Applicable major NE releases
Name: OneWayCommunication (733) Type: communicationsAlarm (4) Package: server Raised on class: server.AuxiliaryServer	Severity: major Implicitly cleared: true Default probable cause: routingConfiguration (510)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when a 5620 SAM main server cannot communicate with an auxiliary server, but the auxiliary server can communicate with the main server.		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the AUX and SAM servers is unreliable.		

Table 2-86 OracleHomeDiskSpaceBelowThreshold

Alarm	Attributes	Applicable major NE releases
Name: OracleHomeDiskSpaceBelowThreshold (399) Type: databaseAlarm (29) Package: db Raised on class: db.DatabaseManager	Severity: major Implicitly cleared: true Default probable cause: diskSpaceIssue (153)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when the primary or standalone database Oracle disk space threshold specified in the nms-server.xml file is reached.		
Remedial action: The Oracle Proxy purges the log based on database file policy configuration. Reducing the number of archives to keep and/or size of the log files or increasing the available disk space will resolve the problem. If alarm persists please contact Alcatel-Lucent support for assistance.		

Table 2-87 OutOfBandManagementConnectionDown

Alarm	Attributes	Applicable major NE releases
Name: OutOfBandManagementConnectionDown (138) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NodeDiscoveryControl	Severity: critical Implicitly cleared: true Default probable cause: managementConnectionDown (111)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when the 5620 SAM cannot reach a managed NE using the ping function over an out-of-band connection.		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM.		

Table 2-88 PacingInProgressWarning

Alarm	Attributes	Applicable major NE releases
Name: PacingInProgressWarning (737) Type: configurationAlarm (11) Package: tunnelmgmt Raised on class: tunnelmgmt.TopologyRule	Severity: warning Implicitly cleared: true Default probable cause: noUpdatesDueToPacingInProgress (514)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when tunnel creation or deletion is not performed after a member is added or removed from a rule group because topology rule pacing is in progress. When this occurs, the Reapply and Delete Unused operations must be performed manually when the pacing is complete. The alarm clears after a Reapply operation is performed.		
Remedial action: When this occurs, the Reapply and Delete Unused operations must be performed manually when the pacing is complete. The alarm clears after a Reapply operation is performed.		

Table 2-89 PatchLevelMismatch

Alarm	Attributes	Applicable major NE releases
Name: PatchLevelMismatch (659) Type: softwareAlarm (19) Package: netw Raised on class: netw.NmsSystem	Severity: critical Implicitly cleared: false Default probable cause: patchLevelMismatch (490)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when the 5620 SAM primary main server software patch level does not match the standby main server software patch level.		
Remedial action: Informational - it is advisable to have both active and standby servers at the same patch level. During a maintenance window apply the appropriate patch to the standby server to bring it inline with the main server.		

Table 2-90 PollDeadlineMissed

Alarm	Attributes	Applicable major NE releases
Name: PollDeadlineMissed (240) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: false Default probable cause: tooManyItemsToPoll (183)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when a 5620 SAM server cannot finish browsing a statistics MIB before a polling interval expires.		
Remedial action: The rate at which performance statistics are being collected must be reduced or an AUX sever may be added to the 5620 SAM platform complex if the polling frequency cannot be reduced.		

Table 2-91 PrimaryDatabaseDown

Alarm	Attributes	Applicable major NE releases
Name: PrimaryDatabaseDown (751) Type: databaseAlarm (29) Package: db Raised on class: db.DatabaseManager	Severity: critical Implicitly cleared: true Default probable cause: primaryDatabaseDown (527)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when the primary 5620 SAM database is down for at least one poll. The alarm is not persisted in the database or stored in the alarm history; when the database returns to service, the PrimaryDatabaseWasDown alarm is raised.		
Remedial action: Informational - verify connectivity to the primary database server		

Table 2-92 PrimaryDatabaseWasDown

Alarm	Attributes	Applicable major NE releases
Name: PrimaryDatabaseWasDown (254) Type: databaseAlarm (29) Package: db Raised on class: db.DatabaseManager	Severity: warning Implicitly cleared: false Default probable cause: primaryDatabaseWasDown (193)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when the primary database returns to service after being unavailable for at least one poll.		
Remedial action: Informational - no corrective action required.		

Table 2-93 ProxyDown

Alarm	Attributes	Applicable major NE releases
Name: ProxyDown (1959) Type: communicationsAlarm (4) Package: db Raised on class: db.DatabaseManager	Severity: major Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when proxy server communication fails.		
Remedial action: The Oracle Proxy runs on the 5620 SAM database workstations. To determine if the Oracle Proxy is running login to the database workstation, open a terminal and run the command <code>ps -eaf grep oracleproxy</code> . If there is no oracleproxy process running, start the process using <code>/etc/rc3.d/S965620SAMOracleProxyWrapper start</code> .		

Table 2-94 PurgeFilesToFreeDiskSpace

Alarm	Attributes	Applicable major NE releases
Name: PurgeFilesToFreeDiskSpace (1937) Type: serverAlarm (94) Package: server Raised on class: server.SamServer	Severity: variable Implicitly cleared: false Default probable cause: diskSpaceIssue (153)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when the 5620 SAM server deletes files in order to free disk space.		
Remedial action: Informational - this is a generic error if SAM Server free disk space is below acceptable levels and files must be purged to free the disk space. The additional text field of the alarm will provide more details of the specific problem. Reduce the disk space by purging the files using the commands available in the SAM GUI. It may be necessary to add additional disk space to the system to resolve the problem.		

Table 2-95 RealignmentOfDatabase

Alarm	Attributes	Applicable major NE releases
Name: RealignmentOfDatabase (613) Type: configurationAlarm (11) Package: db Raised on class: db.DatabaseManager	Severity: warning Implicitly cleared: false Default probable cause: databaseRealignment (455)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when the primary 5620 SAM main server realigns itself with the preferred database by performing a database switchover to connect to the primary database.		
Remedial action: Informational - no corrective action required.		

Table 2-96 RealignmentOfDatabaseFailed

Alarm	Attributes	Applicable major NE releases
Name: RealignmentOfDatabaseFailed (614) Type: configurationAlarm (11) Package: db Raised on class: db.DatabaseManager	Severity: critical Implicitly cleared: false Default probable cause: databaseRealignmentFailed (456)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when a database switchover to realign the primary main server and primary database fails. The primary main server is not connected to the preferred database.		
Remedial action: The additional text field of the alarm will provide more details as will the EmsServer.log. Possible causes include a HW failure on the platform hosting the database function, loss of network connectivity between the primary and standby database platforms. If the alarm persists please contact Alcatel-Lucent support for assistance.		

Table 2-97 RedAlarmThresholdReached

Alarm	Attributes	Applicable major NE releases
Name: RedAlarmThresholdReached (241) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NmsSystem	Severity: critical Implicitly cleared: false Default probable cause: tooManyAlarms (182)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when the number of outstanding 5620 SAM alarms reaches the critical threshold. When this happens, the 5620 SAM discards alarms to keep the number below the threshold.		
Remedial action: Informational - if the alarm persists or is occurring frequently perform root cause analysis to determine why the NEs in the network are consistently generating high rates of alarms.		

Table 2-98 ReinstantiateStandbyDatabase

Alarm	Attributes	Applicable major NE releases
Name: ReinstantiateStandbyDatabase (252) Type: configurationAlarm (11) Package: db Raised on class: db.DatabaseManager	Severity: warning Implicitly cleared: false Default probable cause: reinstantiateStandbyDatabase (191)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when a standby database reinstantiation occurs.		
Remedial action: Informational - no corrective action required.		

Table 2-99 ReinstantiateStandbyDatabaseFailed

Alarm	Attributes	Applicable major NE releases
Name: ReinstantiateStandbyDatabaseFailed (253) Type: configurationAlarm (11) Package: db Raised on class: db.DatabaseManager	Severity: critical Implicitly cleared: false Default probable cause: reinstantiateStandbyDatabaseFailed (192)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when a standby database reinstantiation fails.		
Remedial action: The additional text field of the alarm will provide more details as will the EmsServer.log. Possible causes include a HW failure on the platform hosting the database function, loss of network connectivity between the primary and standby database platforms. If the alarm persists please contact Alcatel-Lucent support for assistance.		

Table 2-100 RowThresholdConstraintViolated

Alarm	Attributes	Applicable major NE releases
Name: RowThresholdConstraintViolated (286) Type: configurationAlarm (11) Package: db Raised on class: db.SizeConstraintPolicy	Severity: major Implicitly cleared: true Default probable cause: partialConstraintEnforcement (218)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when the number of records in a database table exceeds the number specified in a size constraint policy.		
Raising condition: ('Cleanup partial (too many objects)' EQUAL 'true')		
Clearing condition: ('Cleanup partial (too many objects)' EQUAL 'false')		
Remedial action: Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 2-101 RsyncDirectoryMismatch

Alarm	Attributes	Applicable major NE releases
Name: RsyncDirectoryMismatch (1938) Type: serverAlarm (94) Package: server Raised on class: server.SamServer	Severity: major Implicitly cleared: false Default probable cause: rsyncDirectoryMismatch (928)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when the rsync directories on two 5620 SAM servers do not match.		
Remedial action: A configuration error has been made which must be corrected. Reconfigure the SAM servers so that the rsync directories match.		

Table 2-102 RsyncFilesToRemoteHost

Alarm	Attributes	Applicable major NE releases
Name: RsyncFilesToRemoteHost (1939) Type: communicationsAlarm (4) Package: server Raised on class: server.SamServer	Severity: variable Implicitly cleared: true Default probable cause: rsyncFilesIssue (929)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when a rsync operation cannot synchronize files with the remote server.		
Remedial action: Possible causes include a HW failure on the standby SAM server or standby AUX server or loss of network connectivity between the primary and standby platforms. Establish that the platform hosting the standby SAM server or standby AUX server has not suffered a HW or network failure.		

Table 2-103 RuleRegistrationError

Alarm	Attributes	Applicable major NE releases
Name: RuleRegistrationError (364) Type: ConfigurationAlarm (15) Package: rules Raised on class: rules.RuleSet	Severity: warning Implicitly cleared: true Default probable cause: ruleContentsError (261)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when one or more internal 5620 SAM server rule-engine rules fails to compile. The cause is typically a rule syntax error or a system error.		
Raising condition: (('Name' EQUAL '\N/A\') OR ('compiled' EQUAL 'false'))		
Clearing condition: (('Name' NOT EQUAL '\N/A\') AND ('compiled' EQUAL 'true'))		
Remedial action: Informational - Please contact Alcatel-Lucent support for assistance.		

Table 2-104 scheduledTaskCompletionStatus

Alarm	Attributes	Applicable major NE releases
Name: scheduledTaskCompletionStatus (528) Type: taskCompletionAlarm (45) Package: schedule Raised on class: schedule.ScheduledTask	Severity: info Implicitly cleared: false Default probable cause: scheduledTaskCompleted (400)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when the execution of a SAM scheduled task completes.		
Raising condition: ('Status' EQUAL 'Completed')		
Remedial action: Informational		

Table 2-105 SnmpAuthenticationFailure

Alarm	Attributes	Applicable major NE releases
Name: SnmpAuthenticationFailure (176) Type: authenticationAlarm (14) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: false Default probable cause: authFailure (46)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when an NE SNMP agent has received an SNMP message that is not properly authenticated. An NE typically does not, by default, send the notification that generates the alarm; the notification must be manually enabled through CLI.		
Remedial action: A configuration error has occurred which must be corrected. The authentication parameters for SNMP in the mediation policy is incorrect.		

Table 2-106 SnmpDaemonProblem

Alarm	Attributes	Applicable major NE releases
Name: SnmpDaemonProblem (175) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: false Default probable cause: snmpDaemonError (138)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when one of the following occurs: - The 5620 SAM receives an unexpected response to an SNMP request, for example, when a managed NE sends the wrong object in response to an SNMP get or get-next request. - The 5620 SAM receives the TIMETRA-SYSTEM-MIB.tmnxSnmpdError trap from a managed NE.		
Remedial action: Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 2-107 SnmpDown

Alarm	Attributes	Applicable major NE releases
Name: SnmpDown (410) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: false Default probable cause: snmpDown (306)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when the SNMP agent is manually shut down on an NE and the NE sends a trap to indicate this.		
Remedial action: Informational		

Table 2-108 SnmpTrapDropped

Alarm	Attributes	Applicable major NE releases
Name: SnmpTrapDropped (179) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: false Default probable cause: snmpDaemonOverloaded (141)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when the 5620 SAM receives a tmnxTrapDropped notification from an NE to indicate that the NE has dropped a trap. As a result, the 5620 SAM resynchronizes the table associated with the dropped trap.		
Remedial action: Informational.		

Table 2-109 SoftwareUpgradeFailed

Alarm	Attributes	Applicable major NE releases
Name: SoftwareUpgradeFailed (106) Type: configurationAlarm (11) Package: sw Raised on class: sw.SoftwareUpgradeManager	Severity: major Implicitly cleared: false Default probable cause: fileAccessError (90)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when an NE software upgrade using the 5620 SAM fails.		
Remedial action: Investigation is required to resolve the following possible scenarios: the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

Table 2-110 SSHServerPreserveKeyFailure

Alarm	Attributes	Applicable major NE releases
Name: SSHServerPreserveKeyFailure (406) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.FlashMemory	Severity: critical Implicitly cleared: false Default probable cause: preserveKeyFailure (302)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when the CPM fails to save the SSH server host key on the persistent drive.		
Remedial action: Information - if the alarm persists please contact Alcatel-Lucent support for assistance.		

Table 2-111 StandbyArchiveLogDiskSpaceBelowThreshold

Alarm	Attributes	Applicable major NE releases
Name: StandbyArchiveLogDiskSpaceBelowThreshold (2936) Type: databaseAlarm (29) Package: db Raised on class: db.DatabaseManager	Severity: critical Implicitly cleared: false Default probable cause: diskSpaceIssue (153)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when the standby database archived log disk space threshold specified in the nms-server.xml file is reached.		
Remedial action: Adequate disk space should be allocated on the database servers for archive log files. Performing a manual database backup is required to reduce the size of this directory. If the alarm persists then the frequency of database backups must be increased.		

Table 2-112 StandbyCPMManagementConnectionDown

Alarm	Attributes	Applicable major NE releases
Name: StandbyCPMManagementConnectionDown (140) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NodeDiscoveryControl	Severity: critical Implicitly cleared: true Default probable cause: managementConnectionDown (111)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when the 5620 SAM cannot reach a managed NE using the ping function.		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM		

Table 2-113 StandbyDataFileDiskSpaceBelowThreshold

Alarm	Attributes	Applicable major NE releases
Name: StandbyDataFileDiskSpaceBelowThreshold (539) Type: databaseAlarm (29) Package: db Raised on class: db.DatabaseManager	Severity: critical Implicitly cleared: true Default probable cause: diskSpaceIssue (153)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when the standby data file disk space threshold specified in the nms-server.xml file is reached.		
Remedial action: Informational - Please contact Alcatel-Lucent support for assistance.		

Table 2-114 StandbyInstallDirectoryDiskSpaceBelowThreshold

Alarm	Attributes	Applicable major NE releases
Name: StandbyInstallDirectoryDiskSpaceBelowThreshold (615) Type: databaseAlarm (29) Package: db Raised on class: db.DatabaseManager	Severity: major Implicitly cleared: true Default probable cause: diskSpaceIssue (153)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when the standby database installation disk space threshold specified in the nms-server.xml file is reached.		
Remedial action: The Oracle Proxy purges the log based on database file policy configuration. Reducing the number of archives to keep and/or size of the log files or increasing the available disk space will resolve the problem. If alarm persists please contact Alcatel-Lucent support for assistance.		

Table 2-115 StandbyOracleHomeDiskSpaceBelowThreshold

Alarm	Attributes	Applicable major NE releases
Name: StandbyOracleHomeDiskSpaceBelowThreshold (540) Type: databaseAlarm (29) Package: db Raised on class: db.DatabaseManager	Severity: major Implicitly cleared: true Default probable cause: diskSpaceIssue (153)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when the standby database Oracle disk space threshold specified in the nms-server.xml file is reached.		
Remedial action: The Oracle Proxy purges the log based on database file policy configuration. Reducing the number of archives to keep and/or size of the log files or increasing the available disk space will resolve the problem. If alarm persists please contact Alcatel-Lucent support for assistance.		

Table 2-116 StandbyServerStatus

Alarm	Attributes	Applicable major NE releases
Name: StandbyServerStatus (208) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NmsSystem	Severity: critical Implicitly cleared: false Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when the primary 5620 SAM main server cannot communicate with the 5620 SAM standby main server. The alarm clears when communication between the servers is restored.		
Remedial action: Informational		

Table 2-117 StatisticsCollectionThresholdExceeded

Alarm	Attributes	Applicable major NE releases
Name: StatisticsCollectionThresholdExceeded (524) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NmsSystem	Severity: major Implicitly cleared: false Default probable cause: collectionRateGreaterThanConfigured (398)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when the accounting statistics collection rate exceeds the retention specifications.		
Remedial action: The rate at which accounting statistics are being collected must be reduced or the amount of disk space allocated to accounting statistics storage must be increased. Note that the latter may require adding additional disk space to the system to resolve the problem.		

Table 2-118 SvcNameUpgradeScriptFailed

Alarm	Attributes	Applicable major NE releases
Name: SvcNameUpgradeScriptFailed (1082) Type: scriptAlarm (86) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: cliConnectionFailed (820) Applicable probable causes: <ul style="list-style-type: none"> cliConnectionFailed cliLoginFailed executionFailed 	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when a generated NE-upgrade CLI script fails. Typical causes include the following: - invalid CLI login information in the mediation policy - an unreachable NE Manual script execution from the NE properties form may provide more information about the failure.		
Remedial action: The alarm is raised in the following scenarios: the NE is unreachable; security credential issues. The remedial actions for the scenarios above are respectively as follows: NE unreachable - investigate and resolve the underlying transport network issue;		

Table 2-119 SwitchOverDatabase

Alarm	Attributes	Applicable major NE releases
Name: SwitchOverDatabase (203) Type: configurationAlarm (11) Package: db Raised on class: db.DatabaseManager	Severity: warning Implicitly cleared: false Default probable cause: switchOverDatabase (157)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when a database switchover occurs.		
Remedial action: Informational - no corrective action required.		

Table 2-120 SwitchOverDatabaseFailed

Alarm	Attributes	Applicable major NE releases
Name: SwitchOverDatabaseFailed (204) Type: configurationAlarm (11) Package: db Raised on class: db.DatabaseManager	Severity: critical Implicitly cleared: false Default probable cause: switchOverDatabaseFailed (158)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when a database switchover fails.		
Remedial action: The additional text field of the alarm will provide more details as will the EmsServer.log. Possible causes include a HW failure on the platform hosting the database function, loss of network connectivity between the primary and standby database platforms. If the alarm persists please contact Alcatel-Lucent support for assistance.		

Table 2-121 SystemMemoryConsumption

Alarm	Attributes	Applicable major NE releases
Name: SystemMemoryConsumption (225) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NmsSystem	Severity: critical Implicitly cleared: false Default probable cause: tooManyTrapsBuffered (173)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when the global number of SNMP traps that await processing by the 5620 SAM surpasses the system red threshold for trap memory management specified in the base configuration of the 5620 SAM server. Caution: Alcatel-Lucent strongly recommends against modifying NE trap management threshold values; modifying these values can seriously degrade 5620 SAM performance. The alarm clears when the number of traps that await processing falls below the system red threshold. The 5620 SAM resynchronizes the NEs, if required.		
Remedial action: Informational - if the alarm persists or is occurring frequently perform root cause analysis to determine why the NEs in the network are consistently generating high rates of alarms.		

Table 2-122 SystemNameChange

Alarm	Attributes	Applicable major NE releases
Name: SystemNameChange (228) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: systemNameChange (174)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when an NE undergoes a system name change. The alarm information includes the old system name and the new system name.		
Remedial action: Informational - this alarm indicates that the name of the NE has been changed via CLI directly on the NE. The new name will not appear in the SAM GUI. Unmanage and re-manage this node for new name to take effect. Please contact Alcatel-Lucent support for assistance.		

Table 2-123 TableSpaceAboveThreshold

Alarm	Attributes	Applicable major NE releases
Name: TableSpaceAboveThreshold (454) Type: databaseAlarm (29) Package: db Raised on class: db.DatabaseManager	Severity: critical Implicitly cleared: false Default probable cause: HighStatisticsCollectionRate (349)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when the database table space becomes too full, which may indicate that the performance statistics collection rate or the statistics retention time is too high.		
Remedial action: Purging the performance statistics log records, reducing the performance statistics retention time or reducing the frequency of collection should resolve this issue. If this is not possible then it may be necessary to add additional disk capacity to the platform. If the alarm persists please contact Alcatel-Lucent support for assistance.		

Table 2-124 TCAAlarmLimitReached

Alarm	Attributes	Applicable major NE releases
Name: TCAAlarmLimitReached (3687) Type: configurationAlarm (11) Package: server Raised on class: server.SamServer	Severity: variable Implicitly cleared: false Default probable cause: tooManyAlarmsRaisedByTCA (1426)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when a TCA execute server reaches the limit of alarms for an interval.		
Remedial action: Informational - the maximum number of threshold crossing alarms that can be raised in the reset interval has been reached. After the TCA alarm reset interval has passed, alarms can be raised again for the next interval until the number of alarms reaches the limit again.		

Table 2-125 TCEAssignmentProblem

Alarm	Attributes	Applicable major NE releases
Name: TCEAssignmentProblem (5140) Type: processingErrorAlarm (81) Package: server Raised on class: server.TCE	Severity: warning Implicitly cleared: false Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> 12.0 R2
Description: This alarm is raised when a NE cannot be assigned to a TCE during load balancing or manual assignment/unassignment operation.		
Remedial action: Ensure the NE is managed, reachable and that no configuration operation is in progress on that NE and relaunch the operation.		

Table 2-126 TemplateInconsistency

Alarm	Attributes	Applicable major NE releases
Name: TemplateInconsistency (189) Type: ConfigurationAlarm (15) Package: policy Raised on class: policy.PolicyDefinition	Severity: warning Implicitly cleared: true Default probable cause: templatePolicyMismatch (149)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when there is a parameter type or value mismatch between a global policy and a local policy.		
Remedial action: Informational - this alarm indicates that during the a policy comparison audit a mismatch was detected between local policy deployed on a NE vs the global policy which was used to perform the original configuration on NE. Re-distributing the global policy to the outlined NE and/or re-configuring the distribution mode of the local policy to be Sync With Global.		

Table 2-127 ThresholdCrossingAlarm (equipment)

Alarm	Attributes	Applicable major NE releases
Name: ThresholdCrossingAlarm (14) Type: thresholdCrossed (6) Package: equipment Raised on class: equipment.Port	Severity: variable Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when a port value crosses a threshold.		
Remedial action: Informational - A TCA set in the statistics policy associated with the counter has fired. The counter in question should be examined to determine if further action is required.		

Table 2-128 ThresholdCrossingAlarm (generic)

Alarm	Attributes	Applicable major NE releases
Name: ThresholdCrossingAlarm (14) Type: thresholdCrossed (6) Package: generic Raised on class: generic.GenericObject	Severity: warning Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when a monitored object statistics-counter value exceeds a threshold value in the associated statistics policy.		
Remedial action: Informational - A TCA set in the statistics policy associated with the counter has fired. The counter in question should be examined to determine if further action is required.		

Table 2-129 ThresholdCrossingAlarm (netw)

Alarm	Attributes	Applicable major NE releases
Name: ThresholdCrossingAlarm (14) Type: thresholdCrossed (6) Package: netw Raised on class: netw.NetworkElement	Severity: info Implicitly cleared: false Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when a value crosses a configured rising or falling threshold. The alarm information includes the current threshold value, the default threshold value, and the threshold name.		
Remedial action: Informational - A TCA set in the statistics policy associated with the counter has fired. The counter in question should be examined to determine if further action is required.		

Table 2-130 ThresholdCrossingAlarm (tca)

Alarm	Attributes	Applicable major NE releases
Name: ThresholdCrossingAlarm (14) Type: thresholdCrossed (6) Package: tca Raised on class: tca.SpecificTCAPolicy	Severity: variable Implicitly cleared: false Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when a monitored object statistics-counter value exceeds a threshold value in the associated statistics policy.		
Remedial action: This alarm is generated when a threshold is crossed on an object or attribute supported by 5620 SAM. The object or attribute must be examined to determine the nature of the issue and the load on the entity must be examined to determine if it is appropriate.		

Table 2-131 ThresholdCrossingAlarmDbI

Alarm	Attributes	Applicable major NE releases
Name: ThresholdCrossingAlarmDbI (226) Type: thresholdCrossed (6) Package: generic Raised on class: generic.GenericObject	Severity: warning Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when a value crosses a configured rising or falling threshold. The alarm information includes the current threshold value, the default threshold value, and the threshold name.		
Remedial action: Informational - A TCA set in the statistics policy associated with the counter has fired. The counter in question should be examined to determine if further action is required.		

Table 2-132 TimedLicenseExpiryNotice

Alarm	Attributes	Applicable major NE releases
Name: TimedLicenseExpiryNotice (263) Type: licensingAlarm (23) Package: security Raised on class: security.AbstractLicense	Severity: variable Implicitly cleared: false Default probable cause: timedLicenseExpiryNotice (196)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when the 5620 SAM license timer expires. The alarm information includes the license expiry date.		
Remedial action: Informational - The SAM license key is about to expire. Please contact Alcatel-Lucent Sales to request either an extension for the license or a permanent license key.		

Table 2-133 TimeMismatch

Alarm	Attributes	Applicable major NE releases
Name: TimeMismatch (436) Type: configurationAlarm (11) Package: server Raised on class: server.AuxiliaryServer	Severity: major Implicitly cleared: false Default probable cause: timeMismatch (344)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when the system time on a 5620 SAM auxiliary server station differs from the system time on a main server station.		
Remedial action: A configuration error has been made which must be corrected. The system time on the AUX server must match the system time on the main SAM server.		

Table 2-134 TodSuiteAssignmentFailure (service)

Alarm	Attributes	Applicable major NE releases
Name: TodSuiteAssignmentFailure (312) Type: todSuiteAlarm (35) Package: service Raised on class: service.AccessInterface	Severity: minor Implicitly cleared: false Default probable cause: configConflictOrResourceFull (274)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when a Time of Day suite cannot be assigned to an aggregation scheduler, or to an L2 or L3 access interface, because of a configuration conflict or a lack of resources. The alarm is not raised against a SAP.		
Remedial action: A configuration error has been made which must be corrected. The TOD cannot be assigned to the Aggregation Scheduler due to a configuration conflict or lack of resources.		

Table 2-135 TodSuiteAssignmentFailure (svq)

Alarm	Attributes	Applicable major NE releases
Name: TodSuiteAssignmentFailure (312) Type: todSuiteAlarm (35) Package: svq Raised on class: svq.AggregationScheduler	Severity: minor Implicitly cleared: false Default probable cause: assignmentFailure (242)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when an object fails to perform the action specified in a Time of Day suite.		
Remedial action: A configuration error has been made which must be corrected. The TOD cannot be assigned to the Aggregation Scheduler due to a configuration conflict or lack of resources.		

Table 2-136 TopologyRuleExecutionError

Alarm	Attributes	Applicable major NE releases
Name: TopologyRuleExecutionError (365) Type: configurationAlarm (11) Package: tunnelmgmt Raised on class: tunnelmgmt.TopologyRule	Severity: major Implicitly cleared: false Default probable cause: ruleErrorOrRuleEngineError (262)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when the 5620 SAM cannot execute a topology rule or when rule execution generates an error. Rule execution is the process that determines which tunnel elements require creation, modification, or deletion. The alarm typically indicates that the rule is misconfigured.		
Remedial action: A configuration error has been made which must be corrected. The topology rule in question must be re-configured correctly.		

Table 2-137 TraceError

Alarm	Attributes	Applicable major NE releases
Name: TraceError (289) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: false Default probable cause: traceError (221)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when unusual error log trace messages are generated on an NE. The alarm information includes the title of the logged event and message details.		
Remedial action: Informational - This alarm is generated by the SR platforms to indicate that the node has encountered a reportable problem. The additional text field of the alarm will contain additional information regarding the alarm. If the alarm persists please contact Alcatel-Lucent support for assistance.		

Table 2-138 TrapMalformed

Alarm	Attributes	Applicable major NE releases
Name: TrapMalformed (135) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: false Default probable cause: trapSchemaMismatch (108)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when the number of varbinds in an incoming SNMP trap is fewer than the number expected.		
Remedial action: Informational - If the alarm persists please contact Alcatel-Lucent support for assistance		

Table 2-139 TrapMapperQueueFull

Alarm	Attributes	Applicable major NE releases
Name: TrapMapperQueueFull (797) Type: queueFull (73) Package: trapmapper Raised on class: trapmapper.TrapMapperManager	Severity: critical Implicitly cleared: false Default probable cause: trapRateTooHigh (564)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when the 5620 SAM detects that the queue for traps that are to be mapped to alarms is full. Until queue space is available, the 5620 SAM drops traps that are to be mapped to alarms.		
Remedial action: Informational - if the alarm persists or is occurring frequently perform root cause analysis to determine why the NEs in the network are consistently generating high rates of alarms.		

Table 2-140 TrapRateThresholdExceeded

Alarm	Attributes	Applicable major NE releases
Name: TrapRateThresholdExceeded (412) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NmsSystem	Severity: critical Implicitly cleared: false Default probable cause: trapRateGreaterThanConfigured (307)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when the incoming SNMP trap rate is greater than the configured trap rate threshold.		
Remedial action: Informational - if the alarm persists or is occurring frequently perform root cause analysis to determine why the NEs in the network are consistently generating high rates of alarms.		

Table 2-141 TunnelElementCreationError

Alarm	Attributes	Applicable major NE releases
Name: TunnelElementCreationError (366) Type: configurationAlarm (11) Package: tunnelmgmt Raised on class: tunnelmgmt.TopologyRule	Severity: major Implicitly cleared: false Default probable cause: unableToCreateTunnelElement (263)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when the creation of a missing tunnel element fails.		
Remedial action: A configuration error has been made which must be corrected. Please resolve the configuration error preventing the creation of the tunnel element.		

Table 2-142 TunnelElementDeleteError

Alarm	Attributes	Applicable major NE releases
Name: TunnelElementDeleteError (367) Type: configurationAlarm (11) Package: tunnelMgmt Raised on class: tunnelMgmt.TopologyRule	Severity: major Implicitly cleared: false Default probable cause: tunnelElementInUse (264)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when the deletion of an obsolete or unused tunnel element fails.		
Remedial action: A configuration error has occurred which must be corrected. The correction of this error must be done via CLI - please log into the NE and delete the tunnel element.		

Table 2-143 TunnelElementInUseWarning

Alarm	Attributes	Applicable major NE releases
Name: TunnelElementInUseWarning (368) Type: configurationAlarm (11) Package: tunnelMgmt Raised on class: tunnelMgmt.TopologyRule	Severity: warning Implicitly cleared: false Default probable cause: tunnelElementInUse (264)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when the 5620 SAM does not attempt to delete an obsolete or unused tunnel element because the element is in use by another object.		
Remedial action: A configuration error has been made which must be corrected. The tunnel object to be deleted must be removed from the service or services which are referring to it.		

Table 2-144 TwoPrimaryDatabase

Alarm	Attributes	Applicable major NE releases
Name: TwoPrimaryDatabase (202) Type: configurationAlarm (11) Package: db Raised on class: db.DatabaseManager	Severity: critical Implicitly cleared: true Default probable cause: twoPrimaryDatabase (156)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when the standby database initializes as a primary database because of a database failover. The alarm clears when the original primary database is operational as the new standby database.		
Remedial action: Informational - The root cause of the failure of the primary database server should be investigated. Possible causes include a HW failure on the platform hosting the database function, loss of network connectivity between the primary and standby database.		

Table 2-145 UnableDeleteArchivedLogs

Alarm	Attributes	Applicable major NE releases
Name: UnableDeleteArchivedLogs (200) Type: databaseAlarm (29) Package: db Raised on class: db.DatabaseManager	Severity: major Implicitly cleared: false Default probable cause: archivedLogsIssue (154)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when database disk space is low and the 5620 SAM is unable to delete the archive logs.		
Remedial action: Informational - Please contact Alcatel-Lucent support for assistance.		

Table 2-146 UnsupportedNode

Alarm	Attributes	Applicable major NE releases
Name: UnsupportedNode (288) Type: configurationAlarm (11) Package: netw Raised on class: netw.Topology	Severity: warning Implicitly cleared: false Default probable cause: unsupportedNode (219)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when, during network discovery, the 5620 SAM detects an NE that uses an unsupported device software version. The alarm information includes the IP address of the NE.		
Remedial action: The SW version of the NE must be upgraded to a version supported by 5620 SAM.		

Table 2-147 UserSuspended

Alarm	Attributes	Applicable major NE releases
Name: UserSuspended (1123) Type: communicationsAlarm (4) Package: security Raised on class: security.User	Severity: warning Implicitly cleared: true Default probable cause: multipleSecurityViolations (336)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when a user account is suspended.		
Remedial action: Informational - the user is suspended due to either a) the user account has been dormant longer than system's age threshold for account expiry, b) the password for the user has expired, or c) the number of authentication failures threshold before lockout has been reached.		

Table 2-148 WriteFileToDisk

Alarm	Attributes	Applicable major NE releases
Name: WriteFileToDisk (1940) Type: serverAlarm (94) Package: server Raised on class: server.SamServer	Severity: variable Implicitly cleared: false Default probable cause: diskSpaceIssue (153)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when SAM cannot write a file to disk.		
Remedial action: Check the additional text of the alarm for more details. Possible causes are lack of disk space or insufficient file permissions. The additional text will provide guidance as to the specifics of the problem.		

Table 2-149 YellowAlarmThresholdReached

Alarm	Attributes	Applicable major NE releases
Name: YellowAlarmThresholdReached (245) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NmsSystem	Severity: critical Implicitly cleared: false Default probable cause: tooManyAlarms (182)	<ul style="list-style-type: none"> 12.0 R2
Description: The alarm is raised when the number of outstanding 5620 SAM alarms reaches the yellow threshold. When this happens, the 5620 SAM discards non-critical alarms to keep the number below the threshold.		
Remedial action: Informational - if the alarm persists or is occurring frequently perform root cause analysis to determine why the NEs in the network are consistently generating high rates of alarms.		

3 — Alcatel-Lucent 1830 PSS alarms



Note — Some alarms that the 5620 SAM can raise against this device may not be listed in this chapter. Associating alarms with specific NE types is an ongoing Alcatel-Lucent effort. If the 5620 SAM raises an alarm against this device type, and the alarm is not described in this chapter, see chapter 35 for information about the alarm.

Table 3-1 AccessInterfaceDown

Alarm	Attributes	Applicable major NE releases
Name: AccessInterfaceDown (249) Type: AccessInterfaceAlarm (32) Package: service Raised on class: service.AccessInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when an L2 or L3 interface operational state is Down. The alarm is not raised against an L2 access interface that is associated with an MC ring or MC LAG in the standby state.		
Raising condition: (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'Standby For MC-Ring') AND ('State Cause' NOT EQUAL 'Standby For MC-Lag') AND ('State Cause' NOT EQUAL 'Standby For BGP Multi-homing'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'Standby For MC-Ring') OR ('State Cause' EQUAL 'Standby For MC-Lag') OR ('State Cause' EQUAL 'Standby For BGP Multi-homing'))		
Remedial action: The condition exists because the physical interface is down either because it is administratively disabled, faulty or a cabling fault has occurred. Ensure that the interface is administratively up. Check for a poor cable connection to the port or for a faulty cable/fiber. If neither appears to be the problem run diagnostics on the port to determine if it is faulty.		

Table 3-2 ActiveAbnormalCondition

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

Table 3-3 AddPowerControlFailure

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

Table 3-4 AGWDiameterPeerDown

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

Table 3-5 AlarmReportingControlInhibited

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

3 — Alcatel-Lucent 1830 PSS alarms

Table 3-6 AlienEgrLOS

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

Table 3-7 AmpDisabled

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

Table 3-8 AmpDisabledOpticalPowerOverload

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

Table 3-9 AmpGainTooHigh

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

3 — Alcatel-Lucent 1830 PSS alarms

Table 3-10 AmpGainTooLow

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

Table 3-11 AmpOutputPowerUnachievable

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

Table 3-12 AnnounceLoss

Alarm	Attributes	Applicable major NE releases
Name: AnnounceLoss (4951) Type: communicationsAlarm (4) Package: ptp Raised on class: ptp.IEEEPTPPort	Severity: variable Implicitly cleared: true Default probable cause: AnnounceLoss (2006)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when Loss of Announce messages on the slave port .		
Remedial action: Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

(2 of 2)

Table 3-13 AprInvalidTopo

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

Table 3-14 AprLine

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

3 — Alcatel-Lucent 1830 PSS alarms

Table 3-15 AprNode

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

Table 3-16 AprOsc

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

Table 3-17 AprSwitch

Alarm	Attributes	Applicable major NE releases
Name: AprSwitch (3335) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: APRSWITCH (1168)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when APR Active - Port Switch is detected.		
Remedial action: Some EDFA and Raman amplifier circuit packs that are capable of producing high output power, exceeding class 1M limits, are equipped with port switches on the high-power ports. Before a fiber jumper can be disconnected from the high-power port, a cover must be removed from the faceplate. A switch within the pack detects the cover removal and shuts off the amplifier within the circuit pack. After the cover is reinstalled on the circuit pack, the amplifier will restart and the alarm will clear automatically.		

(2 of 2)

Table 3-18 AprUnavail

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

Table 3-19 AprUnavailOsc

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

Table 3-20 ApsChannelMismatch

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

Table 3-21 ApsFarEndProtLineFail

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

Table 3-22 ApsLockoutOfProtection

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

Table 3-23 ApsModeMismatch

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

Table 3-24 ApsProtSwitchByteFail

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

Table 3-25 ApsSwitchedToWork

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

Table 3-26 ApsWorkingForceSwitchedBackToWorking

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

Table 3-27 ApsWorkingForceSwitchedToProtect

Alarm	Attributes	Applicable major NE releases
Name: ApsWorkingForceSwitchedToProtect (4433) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: FrCdWkSwPr (1614) Applicable probable causes: <ul style="list-style-type: none"> • FrCdWkSwPr • FrCdWkSwPrVTS1 • FrCdWkSwPrVTS2 • FrCdWkSwPrVTS3 • FrCdWkSwPrVTS4 • FrCdWkSwPrVTS6 • FrCdWkSwPrVTS7 • FrCdWkSwPrVTS8 • FrCdWkSwPrVTS9 • FrCdWkSwPrVTS10 	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Forced switch to protection is detected.		
Remedial action: Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

Table 3-28 ApsWorkingManualSwitchedBackToWorking

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

Table 3-29 ApsWorkingManualSwitchedToProtect

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

Table 3-30 ApsWorkingSwitchedToProtect

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

Table 3-31 AreaTypeMismatch

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

Table 3-32 AsonTopo

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

Table 3-33 AsymmetricalConfig (multichassis)

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

Table 3-34 AuAisP

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

Table 3-35 AuLopP

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

Table 3-36 AutoLaserOffDueToUpstreamFault

Alarm	Attributes	Applicable major NE releases
Name: AutoLaserOffDueToUpstreamFault (4439) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: UsAIs (1659)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Auto laser off due to upstream condition is detected.		

(1 of 2)

3 — Alcatel-Lucent 1830 PSS alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

(2 of 2)

Table 3-37 AutoNegMismatch

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

Table 3-38 AutoSwTimRef

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

Table 3-39 AutoSwTimRefT4

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

Table 3-40 AutoSyncSw

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

Table 3-41 AuxiliaryServerStatus

Alarm	Attributes	Applicable major NE releases
Name: AuxiliaryServerStatus (311) Type: communicationsAlarm (4) Package: server Raised on class: server.AuxiliaryServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0

(1 of 2)

3 — Alcatel-Lucent 1830 PSS alarms

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when a 5620 SAM main server cannot communicate with an auxiliary server. The alarm clears when communication is restored.		
Raising condition: ('Server Status' EQUAL 'Down')		
Clearing condition: ('Server Status' EQUAL 'Up')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the AUX and SAM servers is unreliable.		

(2 of 2)

Table 3-42 B1SignalDegrade

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

Table 3-43 BackplaneBatteryOff

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

Table 3-44 BackwardDefectIndication

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

Table 3-45 BackwardDefectIndicationEgress

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

Table 3-46 BatteryOff

Alarm	Attributes	Applicable major NE releases
Name: BatteryOff (1982) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: Pwr (966)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Battery off or power filter off is detected.		

(1 of 2)

3 — Alcatel-Lucent 1830 PSS alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: Please refer section PWR in 1830 PSS Troubleshooting guide for detailed corrective action.		

(2 of 2)

Table 3-47 BdiOduOut

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

Table 3-48 BITS AIS

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

Table 3-49 BITSLoF

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

Table 3-50 BITSLoS

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

Table 3-51 BITSMAAN

Alarm	Attributes	Applicable major NE releases
Name: BITSMAAN (4443) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: BITSMAAN (1663)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Logic removal of the BITS port is detected.		

(1 of 2)

3 — Alcatel-Lucent 1830 PSS alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

(2 of 2)

Table 3-52 BoardEqpt

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

Table 3-53 BootableConfigBackupFailed

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

Table 3-54 BootableConfigRestoreFailed

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

Table 3-55 BootParametersMisconfigured

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

3 — Alcatel-Lucent 1830 PSS alarms

Table 3-56 BothTimingModulesFailed

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

Table 3-57 Breaker1BatteryFeedDown

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

Table 3-58 Breaker2BatteryFeedDown

Alarm	Attributes	Applicable major NE releases
Name: Breaker2BatteryFeedDown (4447) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: Pwr (966)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Power Filter 2 off or voltage low is detected.		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

(2 of 2)

Table 3-59 BreakerCardsMismatched

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

Table 3-60 CardBoot

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

Table 3-61 CardDegrade

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

Table 3-62 CardDegradeMonitorFailure

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

Table 3-63 CardFailure

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

Table 3-64 CardInitBcm

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

Table 3-65 CardInitializing

Alarm	Attributes	Applicable major NE releases
Name: CardInitializing (1989) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: CardInit (973)	<ul style="list-style-type: none"> 2.3 2.5 3.0 3.5 3.6 5.0 5.1 5.5 6.0
Description: The alarm is raised when Card initializing is detected.		

(1 of 2)

3 — Alcatel-Lucent 1830 PSS alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: This condition should clear by itself, or be replaced by another card alarm. No corrective action is required. The condition clears or is replaced by a card alarm. If the alarm does not clear, then follow the procedure - Card Failure. Note: To get correct PM counts after an MSC cold reboot, initialize the PM registers.		

(2 of 2)

Table 3-66 CardInitNonBcm

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

Table 3-67 CardMismatch

Alarm	Attributes	Applicable major NE releases
Name: CardMismatch (1160) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: Mismatch (1034)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Card mismatch is detected.		
Remedial action: 1. Display the provisioned card type. 2. Verify from the network plan what type of card is supposed to be in that slot. 3. If the inserted card is the incorrect type, remove the card and insert one that matches the provisioned type for the slot. If the provisioning is incorrect, then reconfigure to make the provisioning match the card. If the provisioning is correct and the card is of a matching type, then there is an issue with the card itself. Continue with Step 4. 4. Perform a warm reset of the card. 5. Perform a cold reset of the card. 6. Reseat the card. 7. Replace the card.		

Table 3-68 CardMissing

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

Table 3-69 CardNotAllowed

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

Table 3-70 CardProvisioningFailure

Alarm	Attributes	Applicable major NE releases
Name: CardProvisioningFailure (1992) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: DataFit (976)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0

(1 of 2)

3 — Alcatel-Lucent 1830 PSS alarms

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when Card provisioning failure is detected.		
Remedial action: At the end of each step wait to see if the fault clears. If not, continue with the next step.1. Determine if there is a software mismatch on the NE. If so, resolve the software issue first. The NE should be running with a committed software load. CLI show software upgrade status alm WEBUI Select Administration > Software > Upgrade and view the Status field.2. Perform a warm reset on the card that has the DATAFLT condition raised against it. CLI config card card type shelf slot reset warm WEBUI Select the card, click the Reboot tab, select Warm Reboot >Submit.3. Perform a warm reset on the Equipment Controller. This will cause a Equipment Controller switch in a redundant configuration.4. Perform a cold reset on the alarmed card. CLI config card card type shelf slot reset cold WEBUI Select the card, click the Reboot tab, select Cold Reboot >Submit.5. Delete the services and de-provision the alarmed card. Re-provision the card with the same parameters as was previously done.6. Reseat the alarmed card.7. Replace the alarmed card.		

(2 of 2)

Table 3-71 CardSanityFailure

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

Table 3-72 CardUnknown

Alarm	Attributes	Applicable major NE releases
Name: CardUnknown (1994) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: Unknown (978)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Card unknown is detected.		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: 1. Verify if the inserted card is supported for the current running release.2. If the card is not yet supported in this release and the card is a required type for the NE, verify that the correct release is running on the NE. Upgrade the NE to the correct release if it is not to support this card type.3. If the NE is running the correct release but the card is not yet supported in that release, remove the card and replace it with one that is supported by the software running on the NE.4. If the card is supported and the NE is running the correct release, the problem may be with the card itself.5. Perform a warm reset of the card.6.Perform a cold reset of the card.7. Reseat the card.8. Replace the card.		

(2 of 2)

Table 3-73 CBandLossOfSignal

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

Table 3-74 ChannelCollision

Alarm	Attributes	Applicable major NE releases
Name: ChannelCollision (4454) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: OchCollision (1675) Applicable probable causes: <ul style="list-style-type: none"> OchCollision UsOchCollision OchCollisionOut 	<ul style="list-style-type: none"> 2.3 2.5 3.0 3.5 3.6 5.0 5.1 5.5 6.0
Description: The alarm is raised when Channel collision is detected.		

(1 of 2)

3 — Alcatel-Lucent 1830 PSS alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: This alarm is raised when Wavelength Tracker has detected more than one instance of the same channel at this port. Please follow the below steps to clear this alarm: 1. Perform a path power trace to identify the network path the particular alarmed channel is traversing. 2. Determine if there is a NE where an OCHCOLLISION-OUT condition is present. 3. Resolve the OCHCOLLISION-OUT condition(if present). 4. Perform a warm reset of the card. 5. Perform a cold reset of the card. 6. Reseat the card. 7. Replace the card. For Detailed steps Please refer 1830 PSS Maintenance and Trouble-Clearing User Guide.		

(2 of 2)

Table 3-75 ChannelPowerOutOfRange

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

Table 3-76 ChannelSwitchingFailure

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

Table 3-77 CKM

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

Table 3-78 ClientDelegateServerStatus

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

Table 3-79 ContainingEquipmentAdministrativelyDown

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

Table 3-80 ContainingEquipmentMismatch

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

Table 3-81 ContainingEquipmentOperationallyDown

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

Table 3-82 ContEqptSplit

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

3 — Alcatel-Lucent 1830 PSS alarms

Table 3-83 ControlCardRedundancyCompromised

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

Table 3-84 CorruptImageFile

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

Table 3-85 CPUPERFORMANCE

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

Table 3-86 CSF

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

Table 3-87 CsfGfp

Alarm	Attributes	Applicable major NE releases
Name: CsfGfp (4915) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: CsfGfp (1971)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Client Signal Fail detected on the GFP .		

(1 of 2)

3 — Alcatel-Lucent 1830 PSS alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

(2 of 2)

Table 3-88 CsfGfpOut

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

Table 3-89 CSFODUEGR

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

Table 3-90 CsfOduOut

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

Table 3-91 DatabaseInvalid

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

Table 3-92 DatabaseSyncFailure

Alarm	Attributes	Applicable major NE releases
Name: DatabaseSyncFailure (4854) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: variable Implicitly cleared: true Default probable cause: DbMemTrf (1930)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Database synchronization failure is detected.		

(1 of 2)

3 — Alcatel-Lucent 1830 PSS alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: Please refer section DBMEMTRF (Database synchronization failure) in 1830 PSS Troubleshooting guide for detailed corrective action.		

(2 of 2)

Table 3-93 DatabaseUnsync

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

Table 3-94 DataErr

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

Table 3-95 DbFailureLocal

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

Table 3-96 DbFailureTransport

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

Table 3-97 DegOut

Alarm	Attributes	Applicable major NE releases
Name: DegOut (4465) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: DegOut (1685)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Outgoing Signal Degrade - ODU is detected.		

(1 of 2)

3 — Alcatel-Lucent 1830 PSS alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

(2 of 2)

Table 3-98 DelayResLoss

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

Table 3-99 DeviceNotReachable

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

Table 3-100 DiagnosticTerminalLoopbackActive

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

Table 3-101 DiscoveredPhysicalLinkMismatch

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

Table 3-102 downgradedCardAlarm

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

Table 3-103 DuplicatePhysicalLinks

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

Table 3-104 DuplicateTrailName

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

Table 3-105 DuplicateWaveKey

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

3 — Alcatel-Lucent 1830 PSS alarms

Table 3-106 DwAlarmIndicationSignal

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

Table 3-107 DwLossOfFrame

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

Table 3-108 DwLossOfMultiFrame

Alarm	Attributes	Applicable major NE releases
Name: DwLossOfMultiFrame (4469) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: DwLom (1687)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when Loss of Multiframe - OTU is detected.		
Remedial action: This alarm is raised at an OT port when the OT receiver cannot synchronize to a multiframe indicator of an incoming OTUk bit stream. Please follow the below steps to clear this alarm(At the end of each step wait to see if the fault clears. If not proceed with the next step): 1. Query the receive power on the port where the LOM condition is present. 2. Check the immediate upstream OT for any alarm conditions. If there are any, clear the failures. 3.Perform a warm reset of the card. 4.Perform a cold reset of the card. 5.Reseat the OT. 6.Replace the OT.		

(2 of 2)

Table 3-109 DwSignalDegrade

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

Table 3-110 DwSignalFailure

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

3 — Alcatel-Lucent 1830 PSS alarms

Table 3-111 E1AisEgr

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

Table 3-112 E1AisL

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

Table 3-113 E1Lof

Alarm	Attributes	Applicable major NE releases
Name: E1Lof (3341) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: E1Lof (1174)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Loss of frame is detected.		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: Please refer LOF (Loss of Frame) in 1830 PSS Troubleshooting guide for detailed corrective action.		

(2 of 2)

Table 3-114 E1LofEgr

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

Table 3-115 E1Los

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

3 — Alcatel-Lucent 1830 PSS alarms

Table 3-116 E1NoCRC4M

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

Table 3-117 E1NoCRC4MEgr

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

Table 3-118 E1Rai

Alarm	Attributes	Applicable major NE releases
Name: E1Rai (3346) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: E1Rai (1179)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when E1-RAI is detected.		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

(2 of 2)

Table 3-119 E1RaiEgr

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

Table 3-120 Ebero

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

3 — Alcatel-Lucent 1830 PSS alarms

Table 3-121 EfmLossOfProtocol

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

Table 3-122 EfmOamAlarm

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

Table 3-123 EgressSSF

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

Table 3-124 EncapsulationFailure

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

Table 3-125 EnvInput1Active

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

Table 3-126 EnvInput2Active

Alarm	Attributes	Applicable major NE releases
Name: EnvInput2Active (4472) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: EnvInput2Active (1690)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0

(1 of 2)

3 — Alcatel-Lucent 1830 PSS alarms

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when Environmental Input 2 active is detected.		
Remedial action: 1. Define the environmental input defined by using one of the following commands: CLI config alm WEBUI Select Reports > Alarm List >Total.		

(2 of 2)

Table 3-127 EnvInput3Active

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

Table 3-128 EnvInput4Active

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

Table 3-129 EnvInput5Active

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

Table 3-130 EnvInput6Active

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

Table 3-131 EnvInput7Active

Alarm	Attributes	Applicable major NE releases
Name: EnvInput7Active (4477) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: EnvInput7Active (1695)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0

(1 of 2)

3 — Alcatel-Lucent 1830 PSS alarms

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when Environmental Input 7 active is detected.		
Remedial action: 1. Define the environmental input defined by using one of the following commands: CLI config alm WEBUI Select Reports > Alarm List >Total.		

(2 of 2)

Table 3-132 EnvInput8Active

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

Table 3-133 EQPTCRYPTO

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

Table 3-134 EqptDgrOch

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

Table 3-135 EqptDgrOchOut

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

Table 3-136 EqptPort

Alarm	Attributes	Applicable major NE releases
Name: EqptPort (3351) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: EqptPort (1184)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0

(1 of 2)

3 — Alcatel-Lucent 1830 PSS alarms

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when Port failure - device is detected.		
Remedial action: 1. Perform a warm reset of the card.2. Perform a cold reset of the card.3. Reset the card.4. Remove the pluggable module from the port on the card it is inserted in. Examine the connector on the pluggable module and the receptacle connector on the card where the pluggable module plugs into for any damage. If no damage is seen, reinsert the pluggable module into its port.5. Remove and replace the pluggable module with another unit of the same type, being careful with the connected fiber jumpers. Refer to Replacing an SFP Module in 1830 PSS Troubleshooting guide.6. Replace the card.		

(2 of 2)

Table 3-137 EquipmentAdministrativelyDown

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

Table 3-138 EquipmentDegraded

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

Table 3-139 EquipmentDown

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

Table 3-140 EquipmentFail

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

Table 3-141 EquipmentFailure

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

Table 3-142 EquipmentInTest

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

Table 3-143 EquipmentMismatch

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

Table 3-144 EquipmentRemoved

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

Table 3-145 ESCLATCHFAIL

Alarm	Attributes	Applicable major NE releases
Name: ESCLATCHFAIL (3720) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: ESCLATCHFAIL (1458)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Channel attempted escape from latchup routine failed is detected.		
Remedial action: 1 Check the add or mesh path fibering of the channel for misfibering, kinks or disconnections. 2 Check for possible pack failures along the mesh or add paths. If there are any alarms raised, troubleshoot them before continuing with this procedure. 3 Perform a Path Power Trace to determine where any possible losses may be occurring. 4 Verify that the ingress LD is admin up and is functioning properly. Perform a warm reset of the card if necessary. 5 Verify that the CWR8-88, CWR8 or WR8-88A is admin up and functioning properly. If not, perform a warm reset of the card. 6 If the alarm is still present, manually set the WSS controller attenuation value by configuring a value at the Sig Out port to set the WSS controller to a more useful attenuation value. 7 Once the alarm is cleared, trigger an egress adjustment to optimize the channel powers and Perform a cold reset of the card. 8 If the alarm is still present, then provision the NE to the original power settings and then run an egress adjustment.		

Table 3-146 ESM

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

Table 3-147 EthCSF

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

Table 3-148 EthernetLinkDown

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

Table 3-149 EthernetPortConfiguredLoopback

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortConfiguredLoopback (801) Type: configurationAlarm (11) Package: ethernetEquipment Raised on class: ethernetEquipment.EthernetPortSpecifics	Severity: warning Implicitly cleared: true Default probable cause: ethernetPortConfiguredLoopback (567)	<ul style="list-style-type: none"> • 5.1 • 5.5 • 6.0
Description: The alarm is raised when a timed loopback is in effect for an Ethernet port.		
Raising condition: (('Type' NOT EQUAL 'None'))		

(1 of 2)

3 — Alcatel-Lucent 1830 PSS alarms

Alarm	Attributes	Applicable major NE releases
Clearing condition: (('Type' EQUAL 'None'))		
Remedial action: This alarm has been raised by the node because "Timed Loopback" option of the specific port's Ethernet property has been enabled. To resolve this problem from "Ethernet" tab of "Physical Port" properties form configure "Timed Loopback" Type property as "None".		

(2 of 2)

Table 3-150 EthernetPortDuplicateLane

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortDuplicateLane (3557) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: DuplicateLane (1387)	<ul style="list-style-type: none"> • 5.1 • 5.5 • 6.0
Description: The alarm is raised when a device reports a Duplicate Lane on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 3-151 EthernetPortHighBer

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

Table 3-152 EthernetPortLocalFault

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

Table 3-153 EthernetPortNoAmLock

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

Table 3-154 EthernetPortNoBlockLock

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortNoBlockLock (3559) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoBlockLock (1389)	<ul style="list-style-type: none"> • 5.1 • 5.5 • 6.0
Description: The alarm is raised when a device reports a No Block Lock on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock'))		

(1 of 2)

3 — Alcatel-Lucent 1830 PSS alarms

Alarm	Attributes	Applicable major NE releases
Clearing condition: NOT (((('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock'))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

(2 of 2)

Table 3-155 EthernetPortNoFrameLock

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortNoFrameLock (306) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoFrameLock (237)	<ul style="list-style-type: none"> • 5.1 • 5.5 • 6.0
Description: The alarm is raised when a device reports No Frame Lock on an Ethernet port.		
Raising condition: ((('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock'))		
Remedial action: One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 3-156 EthernetPortRemoteFault

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

Table 3-157 EthernetPortSignalFailure

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

Table 3-158 EtrMismatch

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

Table 3-159 EtrMismatchMod

Alarm	Attributes	Applicable major NE releases
Name: EtrMismatchMod (3353) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: ETRMISMATCHMOD (1186)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0

(1 of 2)

3 — Alcatel-Lucent 1830 PSS alarms

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when Extended temperature range violation:non-ETR Pluggable Module is detected.		
Remedial action: No corrective action is required. This is a normal message.Refer ETR-MISMATCHMOD (Extended Temp Range Violation: non-ETR Pluggable Module) in 1830 PSS Troubleshooting guide for details.		

(2 of 2)

Table 3-160 ExcessiveCurrentLoad

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

Table 3-161 ExcessLoss

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

Table 3-162 FanFailure

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

Table 3-163 FanSpeedHigh

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

3 — Alcatel-Lucent 1830 PSS alarms

Table 3-164 FanSpeedLow

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

Table 3-165 FanSpeedManuallySetMaximum

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

Table 3-166 FanTrayRemoved

Alarm	Attributes	Applicable major NE releases
Name: FanTrayRemoved (569) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: FanTrayRemoved (438)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when the deviceState attribute has a value of deviceNotEquipped.		
Raising condition: ('Device State' EQUAL 'Not Equipped')		
Clearing condition: ('Device State' NOT EQUAL 'Not Equipped')		
Remedial action: Informational - a fan tray has been removed from the NE.		

(2 of 2)

Table 3-167 FarEndLfi

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

Table 3-168 FarEndLos

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

3 — Alcatel-Lucent 1830 PSS alarms

Table 3-169 FarEndLossOfSignal

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

Table 3-170 FarEndLossOfSynchronization

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

Table 3-171 FarEndPortMismatch

Alarm	Attributes	Applicable major NE releases
Name: FarEndPortMismatch (4483) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: FePortMismatch (1704)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when Far End Port Mapping Mismatch is detected.		
Remedial action: 1 Identify the two ports in the protection group at the near end, and the two ports at the far end.2 Provision the near end and far end ports with the same signal rate and format.3 Provision the timeslot assignments so that the same ports are used at both ends. For example, the near end port C3 must be connected to far end port C3.		

(2 of 2)

Table 3-172 FarEndRfi

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

Table 3-173 Faulty

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

3 — Alcatel-Lucent 1830 PSS alarms

Table 3-174 FDI

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

Table 3-175 FDICLT

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

Table 3-176 FecEcSignalDegrade

Alarm	Attributes	Applicable major NE releases
Name: FecEcSignalDegrade (2021) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: FecEcSd (1706)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when PreFEC Signal Degradate is detected.		
Remedial action: 1. Perform the procedure, DEG (See Troubleshootingguide for details (p. 2-88). Because it is FEC corrected BER, it does not affect service unless another alarm exists on the port. This procedure details the corrective action for a DEG against the OT port. At the end of each step wait to see if the fault clears. If not, continue with the next step.1. Clean the input fiber at the receiver, and check if the input power is within the specified range.2. If it does not clear the alarm, check if there is any power management or optical channel alarm reported on the link. Perform the corrective action for clearing these alarms on the link. 3. Measure the optical signal noise ratio (OSNR) with at the received amplifier with an optical spectrum analyzer. Check if the OSNR is within the range specified by the EPT.Perform the actions to improve the system OSNR. 4. For 40G and 100G coherent cards only: Retrieve the monitoring values for chromatic dispersion (CD), Differential Group Delay (DGD), and Frequency offset. Check if the values are in the normal range. If not, perform the actions to optimize the optical link.		

(2 of 2)

Table 3-177 FecUbcSignalDegradate

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

Table 3-178 FipsSwMismatch

Alarm	Attributes	Applicable major NE releases
Name: FipsSwMismatch (4918) Type: configurationAlarm (11) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: FipsSwMismatch (1974)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when FIPS Software version mismatch .		

(1 of 2)

3 — Alcatel-Lucent 1830 PSS alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

(2 of 2)

Table 3-179 FirmwarePendingObsolete

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

Table 3-180 FirmwareUpgradePending

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

Table 3-181 FirmwareVersionNotDefault

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

Table 3-182 ForwardingTableSizeLimitReached

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

Table 3-183 FpgaFail

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

Table 3-184 FpgaInit

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

Table 3-185 FPGAPRELOAD

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

Table 3-186 FpgaTimeout

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

Table 3-187 FrameSizeProblem (netw)

Alarm	Attributes	Applicable major NE releases
Name: FrameSizeProblem (37) Type: configurationAlarm (11) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: frameSizeProblem (33)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when a provisioned MTU size value is greater than the supported MTU size value.		

(1 of 2)

3 — Alcatel-Lucent 1830 PSS alarms

Alarm	Attributes	Applicable major NE releases
Raising condition: (('mtuMismatch' EQUAL 'true') AND ('portId' NOT EQUAL '0L'))		
Clearing condition: (('mtuMismatch' EQUAL 'false') OR ('portId' EQUAL '0L'))		
Remedial action: A configuration error has been made which must be corrected. The MTU value must be changed such that is less than or equal to the supported MTU size value.		

(2 of 2)

Table 3-188 FrcdSwTimRef

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

Table 3-189 FrcdSwTimRefT4

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

Table 3-190 FrngSync

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

Table 3-191 GaPeerDown

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

3 — Alcatel-Lucent 1830 PSS alarms

Table 3-192 GfpLof

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

Table 3-193 GfpLofOut

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

Table 3-194 GfpUpm

Alarm	Attributes	Applicable major NE releases
Name: GfpUpm (4919) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: GfpUpm (1985)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when GFP User Payload Mismatch .		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

(2 of 2)

Table 3-195 HighBer

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

Table 3-196 HldOvrSync

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

3 — Alcatel-Lucent 1830 PSS alarms

Table 3-197 HpPlmP

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

Table 3-198 HpRdiP

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

Table 3-199 HpUneqP

Alarm	Attributes	Applicable major NE releases
Name: HpUneqP (4491) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: HpUneqP (1713)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when HP UNEQ PATH is detected.		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: Proceed as follows to clear an HOPath Unequipped alarm: 1 Define the cross-connections consistently at both ends of the path.		

(2 of 2)

Table 3-200 HwRevisionNotSupported

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

Table 3-201 IncomingSupvyLof

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

3 — Alcatel-Lucent 1830 PSS alarms

Table 3-202 IncomingSupvyLos

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

Table 3-203 IncompatFan

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

Table 3-204 IncompleteConfig (multichassis)

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

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: ('mcLagPointer' NOT EQUAL '\')		
Remedial action: Configure the missing peered object.		

(2 of 2)

Table 3-205 IncompleteConfiguration

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

Table 3-206 IncorrectPeerConfig

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

3 — Alcatel-Lucent 1830 PSS alarms

Table 3-207 InMaintenance

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

Table 3-208 InterCardCommsFailure

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

Table 3-209 InterfaceDown (netw)

Alarm	Attributes	Applicable major NE releases
Name: InterfaceDown (36) Type: InterfaceAlarm (13) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when an interface or underlying resource fails, as indicated by an interface compositeState attribute value of failed or underlyingResourceFailed.		
Raising condition: (('compositeState' EQUAL 'Inoperable') OR ('compositeState' EQUAL 'Underlying Resource Inoperable'))		
Clearing condition: (('compositeState' NOT EQUAL 'Inoperable') AND ('compositeState' NOT EQUAL 'Underlying Resource Inoperable'))		
Remedial action: A physical port (physical interface, LAG, channel) associated with the network interface in not operation. Ensure that the interface is cabled and that there isn't a configuration error (i.e. MTU size set incorrectly) on the interface. Once the issue w		

(2 of 2)

Table 3-210 InterShelfLossofComms

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

Table 3-211 Intrusion

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

Table 3-212 IntTempHigh

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

Table 3-213 IntTempLow

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

Table 3-214 IntTempOpt

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

Table 3-215 InvalidEgress

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

Table 3-216 InvalidThreshold

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

Table 3-217 InvalidThresholdOms

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

Table 3-218 InvalidThresholdOts

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

Table 3-219 InventoryError

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

3 — Alcatel-Lucent 1830 PSS alarms

Table 3-220 KeyDomainErr

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

Table 3-221 LagDeg

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

Table 3-222 LagDown

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

(1 of 2)

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

(2 of 2)

Table 3-223 LagLos

Alarm	Attributes	Applicable major NE releases
Name: LagLos (3962) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: LagLos (1540)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Link aggregation group Loss of Signal is detected.		
Remedial action: Proceed as follows to clear the Link Aggregation Group Loss of Signal alarm.1.Ensure that the administrative state of the Link Aggregation Group is Admin Up.2.Ensure that the Max Port Size of the Link Aggregation Group is larger than 0.3.Ensure that the number of attached ports in the Link Aggregation Group is larger than 0.4.Check the alarms/conditions of the attached port.5.Follow the procedure for clearing the identified alarm/condition of the attached port.6.Refresh the list of current alarms , and check whether Link Aggregation Group Loss of Signal has cleared.		

Table 3-224 LagPortAddFailed

Alarm	Attributes	Applicable major NE releases
Name: LagPortAddFailed (422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: warning Implicitly cleared: true Default probable cause: linkDown (315)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when the Lag Port Add function Fails.		
Raising condition: (('state' EQUAL 'Link Down') AND ('LAG ID' > '0'))		
Clearing condition: (('state' NOT EQUAL 'Link Down') OR ('LAG ID' EQUAL '0'))		
Remedial action: A configuration error has occurred which must be corrected. The link that was to be added to the LAG group may be of the wrong type (i.e. non ethernet) or the limit of the number of links supported in a LAG may have been reached.		

3 — Alcatel-Lucent 1830 PSS alarms

Table 3-225 LanLol

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

Table 3-226 LanSf

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

Table 3-227 LaserBackFacetOptPwrTca

Alarm	Attributes	Applicable major NE releases
Name: LaserBackFacetOptPwrTca (3366) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: LaserBackFacetOptPwrTca (1196)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Laser back-facet optical power cross threshold is detected.		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: At the end of each step wait to see if the fault clears. If not, continue with the next step.1. If another card failure is reported on the card, follow the procedure for that specific alarm.2. If the port is pluggable module, remove and reinsert the same module. If the alarm does not clear, replace the module.		

(2 of 2)

Table 3-228 LaserCoolingCurTca

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

Table 3-229 LaserEndOfLife

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

3 — Alcatel-Lucent 1830 PSS alarms

Table 3-230 LckOut

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

Table 3-231 LfiEgress

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

Table 3-232 LicensedLimitExceeded

Alarm	Attributes	Applicable major NE releases
Name: LicensedLimitExceeded (127) Type: licensingAlarm (23) Package: security Raised on class: security.ProductLicense	Severity: critical Implicitly cleared: true Default probable cause: licensedLimitExceeded (106)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when the license items in the network exceeds 100 percent of the license capacity.		
Raising condition: ('Exceeded' EQUAL 'true')		
Clearing condition: ('Exceeded' NOT EQUAL 'true')		
Remedial action: Informational - The number of SAM licenses purchased and available on the SAM server is insufficient as compared to the number of NEs/MDA/Cells under management in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

(2 of 2)

Table 3-233 LineFacilityLoopbackActive

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

Table 3-234 LinkDown

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

3 — Alcatel-Lucent 1830 PSS alarms

Table 3-235 Loam

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

Table 3-236 LocalFault

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

Table 3-237 LockedIndication

Alarm	Attributes	Applicable major NE releases
Name: LockedIndication (4503) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: Lck (1724) Applicable probable causes: <ul style="list-style-type: none"> • Lck • LockedIndicationEgress 	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when Locked Indication is detected.		
Remedial action: Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

(2 of 2)

Table 3-238 LockedIndicationEgress

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

Table 3-239 LockoutOfTimRef

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

3 — Alcatel-Lucent 1830 PSS alarms

Table 3-240 LockoutOfTimRefT4

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

Table 3-241 LOFLOM

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

Table 3-242 LOFLOMOut

Alarm	Attributes	Applicable major NE releases
Name: LOFLOMOut (4497) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: LOFLOMOut (1720)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when ODU LOFLOM OUT is detected.		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: Refer Procedure : Clear Loss of Frame and Loss of Multiframe in 1830 PSS Troubleshooting guide.		

(2 of 2)

Table 3-243 Lol

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

Table 3-244 LosDcm

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

3 — Alcatel-Lucent 1830 PSS alarms

Table 3-245 LOSEDFA

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

Table 3-246 LosOcm

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

Table 3-247 LosOms

Alarm	Attributes	Applicable major NE releases
Name: LosOms (3371) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: LosOms (1201)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when Loss of Signal is detected.		
Remedial action: Please refer LOS-P (Incoming Payload LOS) in 1830 PSS Troubleshooting guide for detailed corrective action.		

(2 of 2)

Table 3-248 LosOOut

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

Table 3-249 LosOts

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

3 — Alcatel-Lucent 1830 PSS alarms

Table 3-250 LosP

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

Table 3-251 LossOfClock (equipment)

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

Table 3-252 LossOfFrame (optical)

Alarm	Attributes	Applicable major NE releases
Name: LossOfFrame (630) Type: communicationsAlarm (4) Package: optical Raised on class: optical.OpticalPortSpecifics	Severity: variable Implicitly cleared: true Default probable cause: Lof (1073)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when Loss of frame is detected.		
Remedial action: Please refer 1830 PSS Node Maintenance manual for remedial action information.		

(2 of 2)

Table 3-253 LossOfFrameDelineation

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

Table 3-254 LossOfFrameEgress

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

3 — Alcatel-Lucent 1830 PSS alarms

Table 3-255 LossOfLock

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

Table 3-256 LossOfPrimaryLineTimingClock

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

Table 3-257 LossOfSecondaryLineTimingClock

Alarm	Attributes	Applicable major NE releases
Name: LossOfSecondaryLineTimingClock (4509) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: Sync (1030)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Loss of secondary line timing recovered clock is detected.		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

(2 of 2)

Table 3-258 LossOfSignal (optical)

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

Table 3-259 LossOfSync

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

3 — Alcatel-Lucent 1830 PSS alarms

Table 3-260 LossOfSynchronizationEgress

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

Table 3-261 LossTooHigh

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

Table 3-262 LossTooLow

Alarm	Attributes	Applicable major NE releases
Name: LossTooLow (2042) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: OprLossLow (1027)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when Out of operational range - loss too low is detected.		
Remedial action: At the end of each step wait to see if the fault clears. If not, continue with the next step.1. Perform a lightpath trace to check the upstream power levels, making sure that the expected powers are met. Clean fiber connections if necessary and make sure fibers are not kinked or pinched.2. Check if there are any other existing power-related alarms at the amplifier card, and troubleshoot them first.3. Retrieve the optical power levels at the DCM port of the amplifier card where the alarm is raised.WEBUI From the Equipment Tree, select the card, and select the desired port.4. Perform a warm reset on the card where the OPR condition is raised.5. Perform a cold reset of the card.6. Reseat the card.7. Replace the card. Follow the return and repair process in the Customer and Product Support guide to return the faulty card to an authorized repair center for replacement.		

(2 of 2)

Table 3-263 LostBothTimingReferences

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

Table 3-264 LostRedundantTimingReference

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

3 — Alcatel-Lucent 1830 PSS alarms

Table 3-265 LotOut

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

Table 3-266 LowTemperatureDetected

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

Table 3-267 macMoveRateExceeded (service)

Alarm	Attributes	Applicable major NE releases
Name: macMoveRateExceeded (3690) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: minor Implicitly cleared: true Default probable cause: MacMoveRateExceeded (1429)	<ul style="list-style-type: none"> • 5.1 • 5.5 • 6.0
Description: The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site.		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Raising condition: ('State Cause'anyBit'Relearn Limit Exceeded')		
Clearing condition: NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		
Remedial action: Informational.		

(2 of 2)

Table 3-268 macMoveRateExceededNonBlock (service)

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

Table 3-269 ManLR

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

Table 3-270 ManSwTimRef

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

Table 3-271 ManSwTimRefT4

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

Table 3-272 ManSwToInt

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

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: Clear the manual switch.		

(2 of 2)

Table 3-273 MCLagDown (multichassis)

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

Table 3-274 MepAISReceivedAlarm

Alarm	Attributes	Applicable major NE releases
Name: MepAISReceivedAlarm (2945) Type: oamAlarm (18) Package: ethernetOAM Raised on class: ethernetOAM.Mep	Severity: variable Implicitly cleared: true Default probable cause: missingRemoteMep (388)	<ul style="list-style-type: none"> 5.1 5.5 6.0
Description: The alarm is raised when a MEP receives AIS test frames from one or more of its sub-layer MEPs.		
Raising condition: (('AIS Received (AisRx)' EQUAL 'true') AND ('Facility VLAN ID' EQUAL '0'))		
Clearing condition: ('AIS Received (AisRx)' EQUAL 'false')		
Remedial action: This alarm indicates that it has received a MEP fault from a sub-layer MEP, user should investigate the fault cause on the sub-layer MEP and resolve this root cause issue.		

3 — Alcatel-Lucent 1830 PSS alarms

Table 3-275 MepLoc

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

Table 3-276 MepMmg

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

Table 3-277 MismatchFiber

Alarm	Attributes	Applicable major NE releases
Name: MismatchFiber (3374) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: MismatchFiber (1203)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Fiber connection mismatch is detected.		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: This alarm is raised when a mismatch in the add channel count between the LD card and its assigned WTOCM port is detected. Please check the fibering between LD and WTOCM pack, make sure the fibering matches the WTOCM port provisioning.		

(2 of 2)

Table 3-278 MissingWaveKey

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

Table 3-279 MixedPFUsed

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

Table 3-280 MobileConnectorDown

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

Table 3-281 ModulatorOutputPowerOutOfRange

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

Table 3-282 Msim

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

Table 3-283 MvrSiteDown

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

Table 3-284 NeManagementAndTrapManagementMismatch

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

Table 3-285 NEModeMismatch

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

Table 3-286 NetworkTimingProtocolOutOfSync

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

Table 3-287 NewSsh2ServerKeyDetected

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

3 — Alcatel-Lucent 1830 PSS alarms

Table 3-288 NKM

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

Table 3-289 NodeDatabaseFallbackDetected

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

Table 3-290 NodeDatabaseMisalignmentDetected

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

Table 3-291 NodeRebooted

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

Table 3-292 NodeSuspended

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

Table 3-293 NoDeviceFound

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

Table 3-294 NtpChkSig

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

Table 3-295 NtpLor

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

Table 3-296 NTPOperDown

Alarm	Attributes	Applicable major NE releases
Name: NTPOperDown (4879) Type: communicationsAlarm (4) Package: ntp Raised on class: ntp.NTP	Severity: info Implicitly cleared: true Default probable cause: NTPOperDown (1943)	<ul style="list-style-type: none"> • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is generated when the NTP Operational State is down for NTP.		

(1 of 2)

3 — Alcatel-Lucent 1830 PSS alarms

Alarm	Attributes	Applicable major NE releases
Raising condition: (('Operational State' EQUAL 'Down') AND ('NTP State' EQUAL 'Enabled'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('NTP State' EQUAL 'Disabled'))		
Remedial action: Please check if NTP is administratively enabled (Admin State in NTP General Tab). If admin state down, enable it to make NTP operationally up.		

(2 of 2)

Table 3-297 OAPumpLaserBiasCurrentHigh

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

Table 3-298 OAPumpLaserTempHigh

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

Table 3-299 OchFdi

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

Table 3-300 OchKeysReused

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

3 — Alcatel-Lucent 1830 PSS alarms

Table 3-301 OchKeyUnavail

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

Table 3-302 OchLos

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

Table 3-303 OchPdi

Alarm	Attributes	Applicable major NE releases
Name: OchPdi (4518) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: OchPdi (1736)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Channel PDI is detected.		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

(2 of 2)

Table 3-304 OciOut

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

Table 3-305 OcsUnavail

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

Table 3-306 OduAis

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

Table 3-307 OduAisEgress

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

Table 3-308 OduAisOut

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

Table 3-309 OmsSSF

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

Table 3-310 OneTimingModuleFailed

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

Table 3-311 OpenConnectionIndication

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

Table 3-312 OpenConnectionIndicationEgress

Alarm	Attributes	Applicable major NE releases
Name: OpenConnectionIndicationEgress (4923) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: OpenConnectionIndicationEgress (1740)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Open Connection Indication Egress - ODU .		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

(2 of 2)

Table 3-313 OprPwrHigh

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

Table 3-314 OprPwrLow

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

3 — Alcatel-Lucent 1830 PSS alarms

Table 3-315 OprTx

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

Table 3-316 OpticalOutputPowerUnachievable

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

Table 3-317 OpticalPowerDeviation

Alarm	Attributes	Applicable major NE releases
Name: OpticalPowerDeviation (4525) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: Opr (1678)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when Channel power unstable is detected.		
Remedial action: Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

(2 of 2)

Table 3-318 OpticalPowerReceivedOutOfRange

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

Table 3-319 OpticsModuleMismatch

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

Table 3-320 OpticsModuleUnknown

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

Table 3-321 OptIntBase

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

Table 3-322 OptIntDet

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

Table 3-323 OptIntSusp

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

Table 3-324 OrphanNodeDetected

Alarm	Attributes	Applicable major NE releases
Name: OrphanNodeDetected (4866) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.AdvertisedNode	Severity: major Implicitly cleared: true Default probable cause: nodeNotMangedByAnyEms (1934)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0

(1 of 2)

3 — Alcatel-Lucent 1830 PSS alarms

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when node is node managed by any EMS after n retries(threshold crossed) it is manually cleared by the operator or when the node is discovered.		
Raising condition: ('state' EQUAL 'orphan')		
Remedial action: The NE is not managed by any SAM.Add an discory rule in order to managed it.		

(2 of 2)

Table 3-325 OSNRMESC

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

Table 3-326 OSPFADJ

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

Table 3-327 OspfInterfaceDown

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

Table 3-328 OTMCPF

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

3 — Alcatel-Lucent 1830 PSS alarms

Table 3-329 OtuAis

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

Table 3-330 OverTemperatureDetected

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

Table 3-331 PartialResyncProblem

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

Table 3-332 PayloadTypeMismatch

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

Table 3-333 PayloadTypeMismatchEgress

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

Table 3-334 PCSGeneratorActive

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

Table 3-335 PersistentIndexParametersMisconfigured

Alarm	Attributes	Applicable major NE releases
Name: PersistentIndexParametersMisconfigured (173) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: persistentIndexConfigurationMismatch (136)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when persistence is set to Off in the NE BOF.		
Raising condition: (('Persistent SNMP Indices' EQUAL 'False') OR (('hasRedundantProcessorCards' EQUAL 'true') AND ('Redundant Synchronization Mode' EQUAL 'None')))		
Clearing condition: (('Persistent SNMP Indices' EQUAL 'True') AND (('hasRedundantProcessorCards' EQUAL 'false') OR ('Redundant Synchronization Mode' NOT EQUAL 'None')))		
Remedial action: A configuration error has occurred that must be corrected. Use the CLI on the NE to enable persistency in the BOF. The discovery process will complete on the next discovery scan. A re-scan can be triggered immediately for the NE from within the discovery manager		

(2 of 2)

Table 3-336 PhysicalLinkPortsMisconfigured

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

Table 3-337 PlmOduOut

Alarm	Attributes	Applicable major NE releases
Name: PlmOduOut (4528) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: PlmOduOut (1748)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Outgoing Payload Mismatch Indication - ODU is detected.		

(1 of 2)

3 — Alcatel-Lucent 1830 PSS alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

(2 of 2)

Table 3-338 PollerProblem

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

Table 3-339 PortDegrade

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

Table 3-340 PortFailure

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

Table 3-341 PortMismatch

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

Table 3-342 PortTransmissionDegrade

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

Table 3-343 PortTransmissionFailure

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

Table 3-344 PowerAdjustFailed

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

Table 3-345 PowerAdjustLossMarginExceeded

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

Table 3-346 PowerAdjustRequired

Alarm	Attributes	Applicable major NE releases
Name: PowerAdjustRequired (4533) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: PwrAdjReq (1054)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Power Adjustment Required is detected.		

(1 of 2)

3 — Alcatel-Lucent 1830 PSS alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

(2 of 2)

Table 3-347 PowerFail

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

Table 3-348 PowerMgmtSuspended

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

Table 3-349 PowerSupplyFailure

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

Table 3-350 PowerSupplyInputFeedDown

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

Table 3-351 PowerSupplyRemoved

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

Table 3-352 PPSLos

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

Table 3-353 PrcdrErrTopoOut

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

Table 3-354 PrimaryImageBootFailure

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

3 — Alcatel-Lucent 1830 PSS alarms

Table 3-355 ProtSwitchDeviceFailure

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

Table 3-356 PTPFreeRun

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

Table 3-357 PTPRefLoss

Alarm	Attributes	Applicable major NE releases
Name: PTPRefLoss (4954) Type: communicationsAlarm (4) Package: ptp Raised on class: ptp.IEEEPTPClock	Severity: variable Implicitly cleared: true Default probable cause: PTPRefLoss (2009)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when No available time references .		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

(2 of 2)

Table 3-358 PTPRefUnstable

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

Table 3-359 PwrAdjComms

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

3 — Alcatel-Lucent 1830 PSS alarms

Table 3-360 PWRADJFAILADD

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

Table 3-361 PWRADJFAILDRP

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

Table 3-362 PWRADJREQADD

Alarm	Attributes	Applicable major NE releases
Name: PWRADJREQADD (3731) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: PWRADJREQADD (1469)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when Add Power Adjustment Required is detected.		
Remedial action: 1. Perform a power adjust operation at the ingress amplifier card or the ALPHG card that has raised the PWRADJREQ alarm. 2. If the adjustment is successful, then the PWRADJREQ alarm will be cleared. Continue with Step 3. If the adjustment fails, then the PWRADJFAIL alarm will appear. Proceed to PWRADJFAIL. 3. Follow the appropriate procedures in the Alcatel-Lucent 1830 PSS User Provisioning Guide to validate the set parameters of the network per the Network Plan.		

(2 of 2)

Table 3-363 PWRADJREQDRP

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

Table 3-364 PwrEdfaMargin

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

3 — Alcatel-Lucent 1830 PSS alarms

Table 3-365 PwrMaxGain

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

Table 3-366 PwrTiltParams

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

Table 3-367 PwrTiltSusp

Alarm	Attributes	Applicable major NE releases
Name: PwrTiltSusp (3389) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: PwrTiltSusp (1218)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when Amplifier Gain Tilt Adjustments Suspended is detected.		
Remedial action: This alarm is raised when: 1. The automatic amplifier gain tilt adjustments are suspended, in the direction of transmission, for the optical multiplex section originating at the OADM line because optical channel power measurement for the line is impaired. 2. It is caused when the channel exceeds the number of attempts it can use to get power information from the Line Out port. For corrective action please refer 1830 PSS Maintenance and Trouble-Clearing User Guide.		

(2 of 2)

Table 3-368 PwrUnbalance

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

Table 3-369 PwrUnbalanceOms

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

Table 3-370 RadiusOperStatusDown

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

Table 3-371 RamanSup

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

Table 3-372 RcvrOptProg

Alarm	Attributes	Applicable major NE releases
Name: RcvrOptProg (2083) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: RcvrOptProg (1060)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Receiver Optimization in Progress is detected.		
Remedial action: This procedure details the corrective action for a RCVROPTPROG against the Line port.1. Wait approximately 15 minutes for the LOS or LOF alarm to clear.2. Ensure that the administrative state of the port is Admin Up. When it is Up, then toggle the administrative state from UP > DOWN > UP.3. If a faulty 43STX4P pack caused the RCVROPTPROG alarm, replace with it a new 43STX4 pack. After replacement, if the condition persists, fiber loopback the line side of the 43STX4 pack. Remove the fiber from the port where the LOS or LOF was raised and measure the optical power. If the RCVROPTPROG condition is still present more than 15 minutes after the LOS or LOF alarm clears, the problem may be with the card. If the problem is on the Line input signal of the pack, check the signal. After a 40G OT card has initialized successfully, the Tunable Dispersion Compensator (TDC) and Delay Line Interferometer (DLI) on the line-side receive path will automatically tune to optimize transmission performance. During the TDC/DLI optimization, the RCVROPTPROG alarm is raised to notify the user that the pack is tuning, and transmission is not yet stable. When the TDC/DLI tuning process is completed, the alarm clears.4. Perform a warm reset of the card.5. Perform a cold reset of the card.6. Reseat and replace the card.		

Table 3-373 RDI (ethernetoam)

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

Table 3-374 ReachabilityProblem

Alarm	Attributes	Applicable major NE releases
Name: ReachabilityProblem (243) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ReachabilityTestFailed (176)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when an Mediation poll of the SysUpTimeAlarm object on an NE fails, for example, because of network congestion or because the NE is too busy to respond. The probable cause is an unreachable NE Mediation agent on the NE. By default, the 5620 SAM polls a managed NE every two minutes. If a poll fails, the alarm is raised. The 5620 SAM polls the NE two minutes after the first failure. If successive polls fail, the 5620 SAM raises the polling interval for the NE by two minutes after each failure to a maximum of 12 min. The polling interval remains at 12 min until the 5620 SAM receives a response from the NE. The alarm clears when the 5620 SAM receives a response from the NE, and the 5620 SAM GUI icon that represents the NE turns from red to green.		
Raising condition: ('SNMP Reachability' EQUAL 'Down')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 3-375 ReconfigFailure

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

Table 3-376 RedundantMepMisconfiguration

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

Table 3-377 RedundantMepMissing

Alarm	Attributes	Applicable major NE releases
Name: RedundantMepMissing (3632) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: minor Implicitly cleared: true Default probable cause: missingRedundantMep (1417)	<ul style="list-style-type: none"> • 5.1 • 5.5 • 6.0
Description: The alarm is raised when a MEP misses a redundant counterpart on LAG or SAP.		
Raising condition: (('MC-LAG Inactive' NOT EQUAL 'Not Applicable') AND ('Redundant MEP' EQUAL '\'))		
Clearing condition: (('MC-LAG Inactive' EQUAL 'Not Applicable') OR (('MC-LAG Inactive' NOT EQUAL 'Not Applicable') AND ('Redundant MEP' NOT EQUAL '\')))		
Remedial action: MC-LAG redundant MEP is missing Active & Standby Interfaces, this will cause issues with CFM or CCM tests if Active interface changes. Create missing Active/Standby MEP to match existing.		

Table 3-378 RemoteFailureIndication

Alarm	Attributes	Applicable major NE releases
Name: RemoteFailureIndication (4538) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: LanRfi (1065)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Remote Fault is detected.		

(1 of 2)

3 — Alcatel-Lucent 1830 PSS alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

(2 of 2)

Table 3-379 RemoteMepCCMAAlarm

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

Table 3-380 ReplUnitMissMOD

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

Table 3-381 RfiEgress

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

Table 3-382 SaveConfigFailed

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

Table 3-383 ScheduledPollerProblem

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

Table 3-384 SdhAlarmIndicationSignal

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

Table 3-385 SdhLossOfClock

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

Table 3-386 SdhLossOfFrame

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

Table 3-387 SdhLossOfPointer

Alarm	Attributes	Applicable major NE releases
Name: SdhLossOfPointer (4543) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: LostClock (1026)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Loss of clock is detected.		

(1 of 2)

3 — Alcatel-Lucent 1830 PSS alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

(2 of 2)

Table 3-388 SdhLossOfSignal

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

Table 3-389 SdhMultiplexSectionRemoteFailureIndication

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

Table 3-390 SdhRegeneratorSectionTraceMismatch

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

Table 3-391 SdhSignalDegrade

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

Table 3-392 SdhSignalFailure

Alarm	Attributes	Applicable major NE releases
Name: SdhSignalFailure (4548) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: Sf (1079)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Excessive BER is detected.		

(1 of 2)

3 — Alcatel-Lucent 1830 PSS alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

(2 of 2)

Table 3-393 ServerSignalFailure

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

Table 3-394 ServerSignalFailureEgress

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

Table 3-395 ServiceSiteDown

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

Table 3-396 SfpEOL

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

3 — Alcatel-Lucent 1830 PSS alarms

Table 3-397 SFPEquipmentFail

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

Table 3-398 SFPLossOfSignal

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

Table 3-399 SfpReceiverPwrOOR

Alarm	Attributes	Applicable major NE releases
Name: SfpReceiverPwrOOR (4551) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: SfpReceiverPwrOOR (1080)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Pluggable Module optical receiver power out of range is detected.		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

(2 of 2)

Table 3-400 SfpTempOOR

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

Table 3-401 SfpTrmtPwrOOR

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

3 — Alcatel-Lucent 1830 PSS alarms

Table 3-402 ShelfInVoltHigh

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

Table 3-403 ShelfInVoltLow

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

Table 3-404 ShelfMismatch

Alarm	Attributes	Applicable major NE releases
Name: ShelfMismatch (2090) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Shelf	Severity: variable Implicitly cleared: true Default probable cause: Mismatch (1034)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Shelf mismatch is detected.		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: This alarm is raised when the detected DCM or SFD44 shelf serial number does not match the provisioned serial number. Please follow the below steps to clear this alarm: 1. Review DCM and SFD44 shelf serial numbers and make corrections as needed. 2. Display the shelf list. 3. View the results, and use the following commands as needed: a. To change as DCM/SFD44 shelf serial number("config shelf <shelf> serialnum <string>"). b. To create a new shelf("config shelf <shelf> type dcm" or "config shelf <shelf> type sfd44"). c. To delete an existing shelf("config shelf <shelf> type empty"). 4. If the correct serial number is provisioned, but the wrong DCM or SFD44 module is connected, replace the module with one which has the correct serial number.		

(2 of 2)

Table 3-405 SignalDegrade

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

Table 3-406 SignalDegradeEgress

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

3 — Alcatel-Lucent 1830 PSS alarms

Table 3-407 SLCB00TCONTCOM

Alarm	Attributes	Applicable major NE releases
Name: SLCB00TCONTCOM (4925) Type: configurationAlarm (11) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: SLCB00TCONTCOM (1987)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when SLC Booting Communication failure .		
Remedial action: Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

Table 3-408 SLCCARDINIT

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

Table 3-409 SLCLCKSYNC

Alarm	Attributes	Applicable major NE releases
Name: SLCLCKSYNC (4927) Type: configurationAlarm (11) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: SLCLCKSYNC (1989)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when SLC Clock Sync in progress .		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

(2 of 2)

Table 3-410 SLCCONTCOM

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

Table 3-411 SLCDATAFLT

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

3 — Alcatel-Lucent 1830 PSS alarms

Table 3-412 SLCEQPTBOOT

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

Table 3-413 SLCMISMATCH

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

Table 3-414 SLCNOTINSERVICE

Alarm	Attributes	Applicable major NE releases
Name: SLCNOTINSERVICE (4932) Type: configurationAlarm (11) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: SLCNOTINSERVICE (1994)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when SLC Card not in service .		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

(2 of 2)

Table 3-415 SLTMSIG

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

Table 3-416 SoftwareNotCommitted

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

Table 3-417 SoftwareUpgradeFailure

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

Table 3-418 SoftwareUpgradeInProgress

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

Table 3-419 SoftwareVersionMismatch

Alarm	Attributes	Applicable major NE releases
Name: SoftwareVersionMismatch (2092) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: SfMismatch (1072)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Software version mismatch is detected.		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: This alarm is raised under the following conditions: a. The software on the alarmed card does not match the software on the nearest EC card because the card failed to update successfully. b. When all cards are not running the same software release. Please follow the below steps to clear this alarm(At the end of each step wait to see if the fault clears. If not proceed with the next step): 1. Find the software version number and release number on the EC card. Compare the corresponding number in the alarmed card. If it is not the same, download the software from EC to the alarmed card. 2. Contact your next level of support.		

(2 of 2)

Table 3-420 SonetAlarmIndicationSignal

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

Table 3-421 SonetLineRemoteFailureIndication

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

Table 3-422 SonetLossOfClock

Alarm	Attributes	Applicable major NE releases
Name: SonetLossOfClock (4557) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: LostClock (1026)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Loss of clock is detected.		
Remedial action: Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

Table 3-423 SonetLossOfFrame

Alarm	Attributes	Applicable major NE releases
Name: SonetLossOfFrame (2093) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: Lof (1073)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Loss of frame is detected.		
Remedial action: A receive port on one of the optical cards has detected a Loss Of Frame. The LOF alarm is raised if: the SONET framer detects framing errors in the A1/A2 overhead bytes as per the SONET specification the OTN framer detects corruption in the Framing Alignment Signal (FAS) bytes. Please refer LOF (Loss Of Frame) section for detailed corrective action in 1830 PSS Troubleshooting guide.		

Table 3-424 SonetLossOfPointer

Alarm	Attributes	Applicable major NE releases
Name: SonetLossOfPointer (4558) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: LostClock (1026)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Loss of clock is detected.		
Remedial action: Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

Table 3-425 SonetLossOfSignal

Alarm	Attributes	Applicable major NE releases
Name: SonetLossOfSignal (4559) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: Los (1077)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Loss of signal is detected.		
Remedial action: Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

Table 3-426 SonetSectionTraceMismatch

Alarm	Attributes	Applicable major NE releases
Name: SonetSectionTraceMismatch (2094) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: Tim (1074)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Trace Identifier Mismatch is detected.		

(1 of 2)

3 — Alcatel-Lucent 1830 PSS alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: This alarm indicates that the received trail trace is not the same as the expected trail trace. For corrective action please refer 1830 PSS Maintenance and Trouble-Clearing User Guide.		

(2 of 2)

Table 3-427 SonetSignalDegrade

Alarm	Attributes	Applicable major NE releases
Name: SonetSignalDegrade (4560) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: Sd (1758)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Signal Degrade is detected.		
Remedial action: Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

Table 3-428 SonetSignalFailure

Alarm	Attributes	Applicable major NE releases
Name: SonetSignalFailure (4561) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: Sf (1079)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Excessive BER is detected.		
Remedial action: Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

Table 3-429 SpLoAdjFail

Alarm	Attributes	Applicable major NE releases
Name: SpLoAdjFail (3393) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: SpLoAdjFail (1222)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Span Loss Adjustment Failure is detected.		
Remedial action: Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

Table 3-430 SsfCltEgr

Alarm	Attributes	Applicable major NE releases
Name: SsfCltEgr (3969) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: SsfCltEgr (1546)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Egress Server Signal Failure - Client is detected.		
Remedial action: Proceed to Procedure - Clear Egress Server Signal Failure-Client in 1830 PSS Troubleshooting guide.		

Table 3-431 SsfOduOut

Alarm	Attributes	Applicable major NE releases
Name: SsfOduOut (4562) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: SsfOduOut (1768)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Outgoing Server Signal Failure - ODU is detected.		

(1 of 2)

3 — Alcatel-Lucent 1830 PSS alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

(2 of 2)

Table 3-432 SsfSection

Alarm	Attributes	Applicable major NE releases
Name: SsfSection (4563) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: SsfSection (1769)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Server Signal Failure - Section is detected.		
Remedial action: Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

Table 3-433 SsfSectionOut

Alarm	Attributes	Applicable major NE releases
Name: SsfSectionOut (4935) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: SsfSectionOut (1995)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Outgoing Server Signal Failure - Section .		
Remedial action: Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

Table 3-434 StatsRetrieveFailed

Alarm	Attributes	Applicable major NE releases
Name: StatsRetrieveFailed (244) Type: configurationAlarm (11) Package: sw Raised on class: sw.AccountingStatsRetrievalManager	Severity: major Implicitly cleared: false Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when the 5620 SAM main or auxiliary server cannot transfer an accounting file from an NE.		
Raising condition: (('Stats Retrieval State' NOT EQUAL 'Success') AND ('Stats Retrieval State' NOT EQUAL 'Not Attempted'))		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy or otherwise cannot respond to the 5620 SAM main or auxiliary server.		

Table 3-435 SubscriberSystemNextHopUsageHigh

Alarm	Attributes	Applicable major NE releases
Name: SubscriberSystemNextHopUsageHigh (5157) Type: thresholdCrossed (6) Package: netw Raised on class: netw.NetworkElement	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit.		
Raising condition: ('IP Next Hop Usage High' EQUAL 'true')		
Clearing condition: ('IP Next Hop Usage High' EQUAL 'false')		
Remedial action: The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit. There is no immediate effect, but when the usage actually hits the limit, new hosts will not get their managed routes.		

3 — Alcatel-Lucent 1830 PSS alarms

Table 3-436 SubtendedShelfIdAssignmentFailure

Alarm	Attributes	Applicable major NE releases
Name: SubtendedShelfIdAssignmentFailure (4872) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: variable Implicitly cleared: true Default probable cause: PrcdrErr (1083)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Subtended shelf cannot be assigned a shelf id is detected.		
Remedial action: Please refer section PRCDRERR in 1830 PSS Troubleshooting guide for detailed corrective action.		

Table 3-437 SupvySignalDegrade

Alarm	Attributes	Applicable major NE releases
Name: SupvySignalDegrade (4564) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: SdegO (1770)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when SUPVY Signal Degrade is detected.		
Remedial action: This alarm is raised when OSC SFP receive port on one of the amplifier cards has detected a signal degrade. For corrective action please refer 1830 PSS Maintenance and Trouble-Clearing User Guide.		

Table 3-438 SyncEqpt

Alarm	Attributes	Applicable major NE releases
Name: SyncEqpt (4565) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: SyncEqpt (1185)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when Synchronization equipment failure is detected.		
Remedial action: Refer Procedure : Clear Synchronization Equipment (CRU) failure alarm in 1830 PSS Troubleshooting guide.		

(2 of 2)

Table 3-439 SyncIfTimingHoldover

Alarm	Attributes	Applicable major NE releases
Name: SyncIfTimingHoldover (3970) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: SyncIfTimingHoldover (1547)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Sync Timing Holdover is detected.		
Remedial action: Please refer section - System Timing is in Autonomous Holdover Synchronization Mode in 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

Table 3-440 SyncIfTimingRef1Alarm

Alarm	Attributes	Applicable major NE releases
Name: SyncIfTimingRef1Alarm (3971) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: SyncIfTimingRef1Alarm (1548)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Sync Timing LineRef0 Alarm is detected.		
Remedial action: This means Synchronization timing reference one has an alarm condition. Please refer section - Sync Timing Reference Failure in 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

3 — Alcatel-Lucent 1830 PSS alarms

Table 3-441 SyncIfTimingRef2Alarm

Alarm	Attributes	Applicable major NE releases
Name: SyncIfTimingRef2Alarm (3972) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: SyncIfTimingRef2Alarm (1549)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Sync Timing LineRef1 Alarm is detected.		
Remedial action: This means Synchronization timing reference two has an alarm condition. Please refer section - Sync Timing Reference Failure in 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

Table 3-442 SyncLoss

Alarm	Attributes	Applicable major NE releases
Name: SyncLoss (4956) Type: communicationsAlarm (4) Package: ptp Raised on class: ptp.IEEEPTPPort	Severity: variable Implicitly cleared: true Default probable cause: SyncLoss (2011)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Loss of Sync messages on the slave port .		
Remedial action: Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

Table 3-443 SyncOos

Alarm	Attributes	Applicable major NE releases
Name: SyncOos (3919) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: SyncOos (1106)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when All selectable timing reference fail is detected.		
Remedial action: SYNCOOS (Timing reference failed (Not Protected or Protection not Available)) / SYNCOOS (Timing reference failed--system going into holdover).Check the timing reference quality and priority.Also, Check the reference status.		

(2 of 2)

Table 3-444 SyncOosT4

Alarm	Attributes	Applicable major NE releases
Name: SyncOosT4 (4566) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: SyncOos_T4 (1771)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when T4:All selectable timing reference fail is detected.		
Remedial action: Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

Table 3-445 SyncRefFail

Alarm	Attributes	Applicable major NE releases
Name: SyncRefFail (3736) Type: equipmentAlarm (3) Package: optical Raised on class: optical.LineReference	Severity: variable Implicitly cleared: true Default probable cause: SyncRefFail (1474)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when timing reference fails. .		
Remedial action: Check the timing reference quality and priority.		

3 — Alcatel-Lucent 1830 PSS alarms

Table 3-446 SyncRefUnEq

Alarm	Attributes	Applicable major NE releases
Name: SyncRefUnEq (3926) Type: equipmentAlarm (3) Package: optical Raised on class: optical.LineReference	Severity: variable Implicitly cleared: true Default probable cause: SyncRefUnEq (1512)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Timing reference is unassigned is detected.		
Remedial action: Check the reference assignment.		

Table 3-447 SyncT4Out

Alarm	Attributes	Applicable major NE releases
Name: SyncT4Out (4567) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: SyncT4Out (1772)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Timing quality for output timing is insufficient and therefore squelched is detected.		
Remedial action: Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

Table 3-448 SystemTimingCardMismatch

Alarm	Attributes	Applicable major NE releases
Name: SystemTimingCardMismatch (4568) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: Mismatch (1034)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when System timing card mismatch is detected.		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

(2 of 2)

Table 3-449 SystemTimingLossOfBothClocks

Alarm	Attributes	Applicable major NE releases
Name: SystemTimingLossOfBothClocks (4569) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: SyncSysOos (1029)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when System timing loss of both clocks is detected.		
Remedial action: Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

Table 3-450 SystemTimingLossOfClockRedundancy

Alarm	Attributes	Applicable major NE releases
Name: SystemTimingLossOfClockRedundancy (4570) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: SyncSys (980)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when System timing loss of clock redundancy - Clock A missing is detected.		
Remedial action: Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

3 — Alcatel-Lucent 1830 PSS alarms

Table 3-451 SystemTimingMisconfiguration

Alarm	Attributes	Applicable major NE releases
Name: SystemTimingMisconfiguration (4873) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: variable Implicitly cleared: true Default probable cause: PrcdrErr (1083)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when System timing misprovisioning is detected.		
Remedial action: Please refer section PRCDRERR in 1830 PSS Troubleshooting guide for detailed corrective action.		

Table 3-452 TBbeMs15Min

Alarm	Attributes	Applicable major NE releases
Name: TBbeMs15Min (3396) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_BBE_MS_15MIN (1225)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a BBE-MS Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-453 TBbeMs1Day

Alarm	Attributes	Applicable major NE releases
Name: TBbeMs1Day (3397) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_BBE_MS_1DAY (1226)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when Indicates a BBE-MS Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

(2 of 2)

Table 3-454 TBbeOdu15Min

Alarm	Attributes	Applicable major NE releases
Name: TBbeOdu15Min (3398) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_BBE_ODU_15MIN (1227)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a BBE-ODU Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-455 TBbeOdu1Day

Alarm	Attributes	Applicable major NE releases
Name: TBbeOdu1Day (3399) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_BBE_ODU_1DAY (1228)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a BBE-ODU Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

3 — Alcatel-Lucent 1830 PSS alarms

Table 3-456 TBbeOtu15Min

Alarm	Attributes	Applicable major NE releases
Name: TBbeOtu15Min (3400) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_BBE_OTU_15MIN (1229)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a BBE-OTU Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-457 TBbeOtu1Day

Alarm	Attributes	Applicable major NE releases
Name: TBbeOtu1Day (3401) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_BBE_OTU_1DAY (1230)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a BBE-OTU Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-458 TBbeP15Min

Alarm	Attributes	Applicable major NE releases
Name: TBbeP15Min (3402) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_BBE_P_15MIN (1231)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when Indicates a BBE-P Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

(2 of 2)

Table 3-459 TBbeP1Day

Alarm	Attributes	Applicable major NE releases
Name: TBbeP1Day (3403) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_BBE_P_1DAY (1232)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a BBE-P Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-460 TBbePt15Min

Alarm	Attributes	Applicable major NE releases
Name: TBbePt15Min (3404) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_BBE_PT_15MIN (1233)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a BBE-PT Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

3 — Alcatel-Lucent 1830 PSS alarms

Table 3-461 TBbePt1Day

Alarm	Attributes	Applicable major NE releases
Name: TBbePt1Day (3405) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_BBE_PT_1DAY (1234)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a BBE-PT Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-462 TBbeRs15Min

Alarm	Attributes	Applicable major NE releases
Name: TBbeRs15Min (3406) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_BBE_RS_15MIN (1235)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a BBE-RS Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-463 TBbeRs1Day

Alarm	Attributes	Applicable major NE releases
Name: TBbeRs1Day (3407) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_BBE_RS_1DAY (1236)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when Indicates a BBE-RS Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

(2 of 2)

Table 3-464 TBbeRst15Min

Alarm	Attributes	Applicable major NE releases
Name: TBbeRst15Min (3408) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_BBE_RST_15MIN (1237)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a BBE-RS Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-465 TBbeRst1Day

Alarm	Attributes	Applicable major NE releases
Name: TBbeRst1Day (3409) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_BBE_RST_1DAY (1238)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a BBE-RS Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

3 — Alcatel-Lucent 1830 PSS alarms

Table 3-466 TBbeTcm15Min

Alarm	Attributes	Applicable major NE releases
Name: TBbeTcm15Min (4573) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_BBE_TCM_15MIN (1775)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a BBE-ODU-TCM NearEnd Threshold Crossing detection is detected.		
Remedial action: Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

Table 3-467 TBbeTcm1Day

Alarm	Attributes	Applicable major NE releases
Name: TBbeTcm1Day (4574) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_BBE_TCM_1DAY (1776)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a BBE-ODU-TCM NearEnd Threshold Crossing detection is detected.		
Remedial action: Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

Table 3-468 TBERpostFec15Min

Alarm	Attributes	Applicable major NE releases
Name: TBERpostFec15Min (3410) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_BERPOSTFEC_15MIN (1239)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a postFEC BER Threshold Crossing detection is detected.		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

(2 of 2)

Table 3-469 TBERPostFec1Day

Alarm	Attributes	Applicable major NE releases
Name: TBERPostFec1Day (3411) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_BERPOSTFEC_1DAY (1240)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a postFEC BER Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-470 TBERPreFec15Min

Alarm	Attributes	Applicable major NE releases
Name: TBERPreFec15Min (3412) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_BERPREFEC_15MIN (1241)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a preFEC BER Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

3 — Alcatel-Lucent 1830 PSS alarms

Table 3-471 TBERPreFec1Day

Alarm	Attributes	Applicable major NE releases
Name: TBERPreFec1Day (3413) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_BERPREFEC_1DAY (1242)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a preFEC BER Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-472 TBIAESOt15Min

Alarm	Attributes	Applicable major NE releases
Name: TBIAESOt15Min (3394) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_BIAES_OTU_15MIN (1223)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a BIAES-OTU Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-473 TBIAESOt1Day

Alarm	Attributes	Applicable major NE releases
Name: TBIAESOt1Day (3395) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_BIAES_OTU_1DAY (1224)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when Indicates a BIAES-OTU Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

(2 of 2)

Table 3-474 TBIAESTcm15Min

Alarm	Attributes	Applicable major NE releases
Name: TBIAESTcm15Min (4571) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_BIAES_TCM_15MIN (1773)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a BIAES-ODU-TCM FarEnd Threshold Crossing detection is detected.		
Remedial action: Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

Table 3-475 TBIAESTcm1Day

Alarm	Attributes	Applicable major NE releases
Name: TBIAESTcm1Day (4572) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_BIAES_TCM_1DAY (1774)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a BIAES-ODU-TCM FarEnd Threshold Crossing detection is detected.		
Remedial action: Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

Table 3-476 TcmBackwardDefectIndication

Alarm	Attributes	Applicable major NE releases
Name: TcmBackwardDefectIndication (4591) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: BdiTcm (1793)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Backward Defect Indication - TCM is detected.		
Remedial action: Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

Table 3-477 TcmLockedIndication

Alarm	Attributes	Applicable major NE releases
Name: TcmLockedIndication (4592) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: LckTcm (1794)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Locked - TCM is detected.		
Remedial action: Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

Table 3-478 TcmLossofTandemConnection

Alarm	Attributes	Applicable major NE releases
Name: TcmLossofTandemConnection (4593) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: LtcTcm (1795)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Loss of Tandem Connection - TCM is detected.		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

(2 of 2)

Table 3-479 TcmOpenConnectionIndication

Alarm	Attributes	Applicable major NE releases
Name: TcmOpenConnectionIndication (4594) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: OciTcm (1796)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Open Connection Indication - TCM is detected.		
Remedial action: Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

Table 3-480 TcmServerSignalFailure

Alarm	Attributes	Applicable major NE releases
Name: TcmServerSignalFailure (4595) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: SsfTcm (1797)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Server Signal Failure - TCM is detected.		
Remedial action: Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

3 — Alcatel-Lucent 1830 PSS alarms

Table 3-481 TcmTrailTraceIdentifierMismatch

Alarm	Attributes	Applicable major NE releases
Name: TcmTrailTraceIdentifierMismatch (4596) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: TimTcm (1798)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Trail Identifier Mismatch - TCM is detected.		
Remedial action: Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

Table 3-482 TCv15Min

Alarm	Attributes	Applicable major NE releases
Name: TCv15Min (3414) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_CV_15MIN (1243)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a CV Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-483 TCv1Day

Alarm	Attributes	Applicable major NE releases
Name: TCv1Day (3415) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_CV_1DAY (1244)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when Indicates a CV Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

(2 of 2)

Table 3-484 TCvPcs15Min

Alarm	Attributes	Applicable major NE releases
Name: TCvPcs15Min (3416) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_CV_PCS_15MIN (1245)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a CV-PCS Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-485 TCvPcs1Day

Alarm	Attributes	Applicable major NE releases
Name: TCvPcs1Day (3417) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_CV_PCS_1DAY (1246)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a CV-PCS Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

3 — Alcatel-Lucent 1830 PSS alarms

Table 3-486 TCvPcst15Min

Alarm	Attributes	Applicable major NE releases
Name: TCvPcst15Min (3418) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_CV_PCST_15MIN (1247)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a CV-PCS Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-487 TCvPcst1Day

Alarm	Attributes	Applicable major NE releases
Name: TCvPcst1Day (3419) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_CV_PCST_1DAY (1248)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a CV-PCS Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-488 TCvs15Min

Alarm	Attributes	Applicable major NE releases
Name: TCvs15Min (3420) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_CVS_15MIN (1249)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when Indicates a CV-S Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

(2 of 2)

Table 3-489 TCvs1Day

Alarm	Attributes	Applicable major NE releases
Name: TCvs1Day (3421) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_CVS_1DAY (1250)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a CV-S Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-490 TCvst15Min

Alarm	Attributes	Applicable major NE releases
Name: TCvst15Min (3422) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_CVST_15MIN (1251)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a CV-S Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

3 — Alcatel-Lucent 1830 PSS alarms

Table 3-491 TCvst1Day

Alarm	Attributes	Applicable major NE releases
Name: TCvst1Day (3423) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_CVST_1DAY (1252)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a CV-S Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-492 TEs15Min

Alarm	Attributes	Applicable major NE releases
Name: TEs15Min (3424) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_ES_15MIN (1253)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a ES Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-493 TEs1Day

Alarm	Attributes	Applicable major NE releases
Name: TEs1Day (3425) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_ES_1DAY (1254)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when Indicates a ES Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

(2 of 2)

Table 3-494 TEsl15Min

Alarm	Attributes	Applicable major NE releases
Name: TEsl15Min (3426) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_ES_L_15MIN (1255)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a ES-L Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-495 TEsl1Day

Alarm	Attributes	Applicable major NE releases
Name: TEsl1Day (3427) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_ES_L_1DAY (1256)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a ES-L Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

3 — Alcatel-Lucent 1830 PSS alarms

Table 3-496 TEsmS15Min

Alarm	Attributes	Applicable major NE releases
Name: TEsmS15Min (3428) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_ES_MS_15MIN (1257)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a ES-MS Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-497 TEsmS1Day

Alarm	Attributes	Applicable major NE releases
Name: TEsmS1Day (3429) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_ES_MS_1DAY (1258)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a ES-MS Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-498 TEsoDu15Min

Alarm	Attributes	Applicable major NE releases
Name: TEsoDu15Min (3430) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_ES_ODU_15MIN (1259)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when Indicates ES-ODU Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

(2 of 2)

Table 3-499 TEsOdu1Day

Alarm	Attributes	Applicable major NE releases
Name: TEsOdu1Day (3431) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_ES_ODU_1DAY (1260)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a ES-ODU Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-500 TEsOtu15Min

Alarm	Attributes	Applicable major NE releases
Name: TEsOtu15Min (3432) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_ES_OTU_15MIN (1261)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a ES-OTU Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

3 — Alcatel-Lucent 1830 PSS alarms

Table 3-501 TEsOtu1Day

Alarm	Attributes	Applicable major NE releases
Name: TEsOtu1Day (3433) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_ES_OTU_1DAY (1262)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a ES-OTU Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-502 TEsP15Min

Alarm	Attributes	Applicable major NE releases
Name: TEsP15Min (3434) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_ES_P_15MIN (1263)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a ES-P Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-503 TEsP1Day

Alarm	Attributes	Applicable major NE releases
Name: TEsP1Day (3435) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_ES_P_1DAY (1264)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when Indicates a ES-P Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

(2 of 2)

Table 3-504 TEsPcs15Min

Alarm	Attributes	Applicable major NE releases
Name: TEsPcs15Min (3436) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_ES_PCS_15MIN (1265)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a ES-PCS Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-505 TEsPcs1Day

Alarm	Attributes	Applicable major NE releases
Name: TEsPcs1Day (3437) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_ES_PCS_1DAY (1266)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a ES-PCS Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

3 — Alcatel-Lucent 1830 PSS alarms

Table 3-506 TEsPcst15Min

Alarm	Attributes	Applicable major NE releases
Name: TEsPcst15Min (3438) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_ES_PCST_15MIN (1267)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a ES-PCS Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-507 TEsPcst1Day

Alarm	Attributes	Applicable major NE releases
Name: TEsPcst1Day (3439) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_ES_PCST_1DAY (1268)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a ES-PCS Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-508 TEsPt15Min

Alarm	Attributes	Applicable major NE releases
Name: TEsPt15Min (3440) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_ES_PT_15MIN (1269)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when Indicates a ES-PT Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

(2 of 2)

Table 3-509 TEsPt1Day

Alarm	Attributes	Applicable major NE releases
Name: TEsPt1Day (3441) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_ES_PT_1DAY (1270)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a ES-PT Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-510 TEsRs15Min

Alarm	Attributes	Applicable major NE releases
Name: TEsRs15Min (3442) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_ES_RS_15MIN (1271)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a ES-RS Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

3 — Alcatel-Lucent 1830 PSS alarms

Table 3-511 TEsRs1Day

Alarm	Attributes	Applicable major NE releases
Name: TEsRs1Day (3443) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_ES_RS_1DAY (1272)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a ES-RS Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-512 TEsRst15Min

Alarm	Attributes	Applicable major NE releases
Name: TEsRst15Min (3444) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_ES_RST_15MIN (1273)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a ES-RS Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-513 TEsRst1Day

Alarm	Attributes	Applicable major NE releases
Name: TEsRst1Day (3445) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_ES_RST_1DAY (1274)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when Indicates a ES-RS Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

(2 of 2)

Table 3-514 TEss15Min

Alarm	Attributes	Applicable major NE releases
Name: TEss15Min (3446) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_ESS_15MIN (1275)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a ES-S Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-515 TEss1Day

Alarm	Attributes	Applicable major NE releases
Name: TEss1Day (3447) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_ESS_1DAY (1276)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a ES-S Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

3 — Alcatel-Lucent 1830 PSS alarms

Table 3-516 TEsst15Min

Alarm	Attributes	Applicable major NE releases
Name: TEsst15Min (3448) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_ESST_15MIN (1277)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a ES-S Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-517 TEsst1Day

Alarm	Attributes	Applicable major NE releases
Name: TEsst1Day (3449) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_ESST_1DAY (1278)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a ES-S Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-518 TEstcm15Min

Alarm	Attributes	Applicable major NE releases
Name: TEstcm15Min (4575) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_ES_TCM_15MIN (1777)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when Indicates a ES-ODU-TCM NearEnd Threshold Crossing detection is detected.		
Remedial action: Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

(2 of 2)

Table 3-519 TEsTcm1Day

Alarm	Attributes	Applicable major NE releases
Name: TEsTcm1Day (4576) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_ES_TCM_1DAY (1778)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a ES-ODU-TCM NearEnd Threshold Crossing detection is detected.		
Remedial action: Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

Table 3-520 TEthpkter15Min

Alarm	Attributes	Applicable major NE releases
Name: TEthpkter15Min (3450) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_ETHPKTER_15MIN (1279)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a ETHPKTER Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-521 TEthpkter1Day

Alarm	Attributes	Applicable major NE releases
Name: TEthpkter1Day (3451) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_ETHERPKTER_1DAY (1280)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a ETHPKTER Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-522 TEthpktert15Min

Alarm	Attributes	Applicable major NE releases
Name: TEthpktert15Min (3452) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_ETHERPKTERT_15MIN (1281)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a ETHPKTERT Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-523 TEthpktert1Day

Alarm	Attributes	Applicable major NE releases
Name: TEthpktert1Day (3453) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_ETHERPKTERT_1DAY (1282)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when Indicates a ETHPKTERT Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

(2 of 2)

Table 3-524 TFeBbeMs15Min

Alarm	Attributes	Applicable major NE releases
Name: TFeBbeMs15Min (3454) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_FEBBE_MS_15MIN (1283)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a FEBBE-MS Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-525 TFeBbeMs1Day

Alarm	Attributes	Applicable major NE releases
Name: TFeBbeMs1Day (3455) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_FEBBE_MS_1DAY (1284)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a FEBBE-MS Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

3 — Alcatel-Lucent 1830 PSS alarms

Table 3-526 TFeBbeOdu15Min

Alarm	Attributes	Applicable major NE releases
Name: TFeBbeOdu15Min (3456) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_FEBBE_ODU_15MIN (1285)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a FarEnd BBE-ODU Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-527 TFeBbeOdu1Day

Alarm	Attributes	Applicable major NE releases
Name: TFeBbeOdu1Day (3457) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_FEBBE_ODU_1DAY (1286)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a FarEnd BBE-ODU Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-528 TFeBbeOtu15Min

Alarm	Attributes	Applicable major NE releases
Name: TFeBbeOtu15Min (3458) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_FEBBE_OTU_15MIN (1287)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when Indicates a FarEnd BBE-OTU Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

(2 of 2)

Table 3-529 TFeBbeOtu1Day

Alarm	Attributes	Applicable major NE releases
Name: TFeBbeOtu1Day (3459) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_FEBBE_OTU_1DAY (1288)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a FarEnd BBE-OTU Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-530 TFeBbeTcm15Min

Alarm	Attributes	Applicable major NE releases
Name: TFeBbeTcm15Min (4577) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_FEBBE_TCM_15MIN (1779)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a BBE-ODU-TCM FarEnd Threshold Crossing detection is detected.		
Remedial action: Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

3 — Alcatel-Lucent 1830 PSS alarms

Table 3-531 TFeBbeTcm1Day

Alarm	Attributes	Applicable major NE releases
Name: TFeBbeTcm1Day (4578) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_FEBBE_TCM_1DAY (1780)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a BBE-ODU-TCM FarEnd Threshold Crossing detection is detected.		
Remedial action: Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

Table 3-532 TFecc15Min

Alarm	Attributes	Applicable major NE releases
Name: TFecc15Min (3480) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_FECC_15MIN (1309)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a FECC Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-533 TFecc1Day

Alarm	Attributes	Applicable major NE releases
Name: TFecc1Day (3481) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_FECC_1DAY (1310)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when Indicates a FECC Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

(2 of 2)

Table 3-534 TFecUbc15Min

Alarm	Attributes	Applicable major NE releases
Name: TFecUbc15Min (4936) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_FEC_UBC_15MIN (1996)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a FECUBC Threshold Crossing detection .		
Remedial action: Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

Table 3-535 TFecUbc1Day

Alarm	Attributes	Applicable major NE releases
Name: TFecUbc1Day (4937) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_FEC_UBC_1DAY (1997)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a FECUBC Threshold Crossing detection .		
Remedial action: Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

3 — Alcatel-Lucent 1830 PSS alarms

Table 3-536 TFecUbu15Min

Alarm	Attributes	Applicable major NE releases
Name: TFecUbu15Min (3478) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_FEC_UBU_15MIN (1307)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a FECUBC Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-537 TFecUbu1Day

Alarm	Attributes	Applicable major NE releases
Name: TFecUbu1Day (3479) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_FEC_UBU_1DAY (1308)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a FECUBC Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-538 TFeEsMs15Min

Alarm	Attributes	Applicable major NE releases
Name: TFeEsMs15Min (3460) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_FEES_MS_15MIN (1289)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when Indicates a FEES-MS Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

(2 of 2)

Table 3-539 TFeEsMs1Day

Alarm	Attributes	Applicable major NE releases
Name: TFeEsMs1Day (3461) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_FEES_MS_1DAY (1290)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a FEES-MS Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-540 TFeEsOdu15Min

Alarm	Attributes	Applicable major NE releases
Name: TFeEsOdu15Min (3462) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_FEES_ODU_15MIN (1291)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a FarEnd ES-ODU Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

3 — Alcatel-Lucent 1830 PSS alarms

Table 3-541 TFeEsOdu1Day

Alarm	Attributes	Applicable major NE releases
Name: TFeEsOdu1Day (3463) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_FEES_ODU_1DAY (1292)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a FarEnd ES-ODU Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-542 TFeEsOtu15Min

Alarm	Attributes	Applicable major NE releases
Name: TFeEsOtu15Min (3464) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_FEES_OTU_15MIN (1293)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a FarEnd ES-OTU Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-543 TFeEsOtu1Day

Alarm	Attributes	Applicable major NE releases
Name: TFeEsOtu1Day (3465) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_FEES_OTU_1DAY (1294)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when Indicates a FarEnd ES-OTU Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

(2 of 2)

Table 3-544 TFeEsTcm15Min

Alarm	Attributes	Applicable major NE releases
Name: TFeEsTcm15Min (4579) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_FEES_TCM_15MIN (1781)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a ES-ODU-TCM FarEnd Threshold Crossing detection is detected.		
Remedial action: Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

Table 3-545 TFeEsTcm1Day

Alarm	Attributes	Applicable major NE releases
Name: TFeEsTcm1Day (4580) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_FEES_TCM_1DAY (1782)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a ES-ODU-TCM FarEnd Threshold Crossing detection is detected.		
Remedial action: Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

3 — Alcatel-Lucent 1830 PSS alarms

Table 3-546 TFeSesMs15Min

Alarm	Attributes	Applicable major NE releases
Name: TFeSesMs15Min (3466) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_FESES_MS_15MIN (1295)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a FESES-MS Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-547 TFeSesMs1Day

Alarm	Attributes	Applicable major NE releases
Name: TFeSesMs1Day (3467) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_FESES_MS_1DAY (1296)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a FESES-MS Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-548 TFeSesOdu15Min

Alarm	Attributes	Applicable major NE releases
Name: TFeSesOdu15Min (3468) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_FESES_ODU_15MIN (1297)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when Indicates a FarEnd SES-ODU Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

(2 of 2)

Table 3-549 TFeSesOdu1Day

Alarm	Attributes	Applicable major NE releases
Name: TFeSesOdu1Day (3469) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_FESES_ODU_1DAY (1298)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a FarEnd SES-ODU Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-550 TFeSesOtu15Min

Alarm	Attributes	Applicable major NE releases
Name: TFeSesOtu15Min (3470) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_FESES_OTU_15MIN (1299)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a FarEnd SES-OTU Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

3 — Alcatel-Lucent 1830 PSS alarms

Table 3-551 TFeSesOtu1Day

Alarm	Attributes	Applicable major NE releases
Name: TFeSesOtu1Day (3471) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_FESES_OTU_1DAY (1300)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a FarEnd SES-OTU Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-552 TFeSesTcm15Min

Alarm	Attributes	Applicable major NE releases
Name: TFeSesTcm15Min (4581) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_FESES_TCM_15MIN (1783)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a SES-ODU-TCM FarEnd Threshold Crossing detection is detected.		
Remedial action: Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

Table 3-553 TFeSesTcm1Day

Alarm	Attributes	Applicable major NE releases
Name: TFeSesTcm1Day (4582) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_FESES_TCM_1DAY (1784)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when Indicates a SES-ODU-TCM FarEnd Threshold Crossing detection is detected.		
Remedial action: Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

(2 of 2)

Table 3-554 TFeUasMs15Min

Alarm	Attributes	Applicable major NE releases
Name: TFeUasMs15Min (3472) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_FEUAS_MS_15MIN (1301)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a FEUAS-MS Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-555 TFeUasMs1Day

Alarm	Attributes	Applicable major NE releases
Name: TFeUasMs1Day (3473) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_FEUAS_MS_1DAY (1302)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a FEUAS-MS Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

3 — Alcatel-Lucent 1830 PSS alarms

Table 3-556 TFeUasOdu15Min

Alarm	Attributes	Applicable major NE releases
Name: TFeUasOdu15Min (3474) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_FEUAS_ODU_15MIN (1303)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a FarEnd UAS-ODU Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-557 TFeUasOdu1Day

Alarm	Attributes	Applicable major NE releases
Name: TFeUasOdu1Day (3475) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_FEUAS_ODU_1DAY (1304)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a FarEnd UAS-ODU Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-558 TFeUasOtu15Min

Alarm	Attributes	Applicable major NE releases
Name: TFeUasOtu15Min (3476) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_FEUAS_OTU_15MIN (1305)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when Indicates a FarEnd UAS-OTU Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

(2 of 2)

Table 3-559 TFeUasOtu1Day

Alarm	Attributes	Applicable major NE releases
Name: TFeUasOtu1Day (3477) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_FEUAS_OTU_1DAY (1306)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a FarEnd UAS-OTU Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-560 TFeUasTcm15Min

Alarm	Attributes	Applicable major NE releases
Name: TFeUasTcm15Min (4583) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_FEUAS_TCM_15MIN (1785)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates an UAS-ODU-TCM FarEnd Threshold Crossing detection is detected.		
Remedial action: Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

3 — Alcatel-Lucent 1830 PSS alarms

Table 3-561 TFeUasTcm1Day

Alarm	Attributes	Applicable major NE releases
Name: TFeUasTcm1Day (4584) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_FEUAS_TCM_1DAY (1786)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates an UAS-ODU-TCM FarEnd Threshold Crossing detection is detected.		
Remedial action: Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

Table 3-562 ThresholdCrossingAlarmCfmTwoWayDelayTest

Alarm	Attributes	Applicable major NE releases
Name: ThresholdCrossingAlarmCfmTwoWayDelayTest (4943) Type: thresholdCrossed (6) Package: ethernetToam Raised on class: ethernetToam.CfmTwoWayDelayTest	Severity: warning Implicitly cleared: false Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when a Test attribute crosses a TCA threshold on this object.		
Remedial action: A condition set when a counter exceeds a user-selected high or low threshold. A TCA does not generate an alarm but is available on demand through the CIT. Please refer 1830 PSS Troubleshooting guide for more details.		

Table 3-563 ThresholdCrossingAlarmCfmTwoWaySlm

Alarm	Attributes	Applicable major NE releases
Name: ThresholdCrossingAlarmCfmTwoWaySlm (4944) Type: thresholdCrossed (6) Package: ethernetToam Raised on class: ethernetToam.CfmTwoWaySlm	Severity: warning Implicitly cleared: false Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when a Test attribute crosses a TCA threshold on this object.		
Remedial action: A condition set when a counter exceeds a user-selected high or low threshold. A TCA does not generate an alarm but is available on demand through the CIT. Please refer 1830 PSS Troubleshooting guide for more details.		

(2 of 2)

Table 3-564 ThresholdCrossingAlarmSAP

Alarm	Attributes	Applicable major NE releases
Name: ThresholdCrossingAlarmSAP (4970) Type: thresholdCrossed (6) Package: vpls Raised on class: vpls.L2AccessInterface	Severity: warning Implicitly cleared: false Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when a SAP attribute crosses a TCA threshold.		
Remedial action: A condition set when a counter exceeds a user-selected high or low threshold. A TCA does not generate an alarm but is available on demand through the CIT. Please refer 1830 PSS Troubleshooting guide for more details.		

Table 3-565 TIAES0tu15Min

Alarm	Attributes	Applicable major NE releases
Name: TIAES0tu15Min (3482) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_IAES_OTU_15MIN (1311)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a IAES-OTU Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

3 — Alcatel-Lucent 1830 PSS alarms

Table 3-566 TIAESOt1Day

Alarm	Attributes	Applicable major NE releases
Name: TIAESOt1Day (3483) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_IAES_OTU_1DAY (1312)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a IAES-OTU Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-567 TIAESTcm15Min

Alarm	Attributes	Applicable major NE releases
Name: TIAESTcm15Min (4585) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_IAES_TCM_15MIN (1787)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a IAES-ODU-TCM NearEnd Threshold Crossing detection is detected.		
Remedial action: Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

Table 3-568 TIAESTcm1Day

Alarm	Attributes	Applicable major NE releases
Name: TIAESTcm1Day (4586) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_IAES_TCM_1DAY (1788)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when Indicates a IAES-ODU-TCM NearEnd Threshold Crossing detection is detected.		
Remedial action: Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

(2 of 2)

Table 3-569 TimOduOut

Alarm	Attributes	Applicable major NE releases
Name: TimOduOut (4597) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: TimOduOut (1799)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Outgoing Trail Identifier Mismatch - ODU is detected.		
Remedial action: Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

Table 3-570 TmnxEqPortEtherLoopDetected

Alarm	Attributes	Applicable major NE releases
Name: TmnxEqPortEtherLoopDetected (461) Type: portEtherLoopDetected (48) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> • 5.1 • 5.5 • 6.0
Description: The alarm is raised when a device detects a physical loop on an Ethernet port.		
Raising condition: (('Down When Looped Status' EQUAL 'Loop Detected'))		
Clearing condition: (('Down When Looped Status' EQUAL 'No Loop Detected'))		
Remedial action: An Ethernet port has been mis-cabled - please remove the loopback cable on the port.		

3 — Alcatel-Lucent 1830 PSS alarms

Table 3-571 ToDDEG

Alarm	Attributes	Applicable major NE releases
Name: ToDDEG (3973) Type: communicationsAlarm (4) Package: ptp Raised on class: ptp.PTPTOD	Severity: variable Implicitly cleared: true Default probable cause: ToDDEG (1550)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when ToD degrade is detected.		
Remedial action: Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

Table 3-572 ToDLOS

Alarm	Attributes	Applicable major NE releases
Name: ToDLOS (3974) Type: communicationsAlarm (4) Package: ptp Raised on class: ptp.PTPTOD	Severity: variable Implicitly cleared: true Default probable cause: ToDLOS (1551)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Loss of Signal is detected.		
Remedial action: Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

Table 3-573 TODRefUnstable

Alarm	Attributes	Applicable major NE releases
Name: TODRefUnstable (4957) Type: communicationsAlarm (4) Package: ptp Raised on class: ptp.PTPTOD	Severity: variable Implicitly cleared: true Default probable cause: TODRefUnstable (2012)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when the current time reference is unstable.		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

(2 of 2)

Table 3-574 TopologyInvalid

Alarm	Attributes	Applicable major NE releases
Name: TopologyInvalid (4874) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: variable Implicitly cleared: true Default probable cause: PrcdrErrTopo (1938)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Invalid topology is detected.		
Remedial action: 1. Examine the cross-connects on the NE, and look for cross-connects that do not conform to the rules. These cross-connects are considered invalid. 2. Delete the invalid connections. Any service that is running over an invalid cross-connect that is deleted is interrupted. 3. Recreate valid cross-connects for the interrupted services.		

Table 3-575 TOprh15Min

Alarm	Attributes	Applicable major NE releases
Name: TOprh15Min (3484) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_OPRH_15MIN (1313)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a OPRH tidemark Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

3 — Alcatel-Lucent 1830 PSS alarms

Table 3-576 TOprh1Day

Alarm	Attributes	Applicable major NE releases
Name: TOprh1Day (3485) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_OPRH_1DAY (1314)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a OPRH tidemark Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-577 TOprl15Min

Alarm	Attributes	Applicable major NE releases
Name: TOprl15Min (3486) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_OPRL_15MIN (1315)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a OPRL tidemark Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-578 TOprl1Day

Alarm	Attributes	Applicable major NE releases
Name: TOprl1Day (3487) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_OPRL_1DAY (1316)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when Indicates a OPRL tidemark Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

(2 of 2)

Table 3-579 TOpth15Min

Alarm	Attributes	Applicable major NE releases
Name: TOpth15Min (3488) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_OTPH_15MIN (1317)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a OPTH tidemark Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-580 TOpth1Day

Alarm	Attributes	Applicable major NE releases
Name: TOpth1Day (3489) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_OTPH_1DAY (1318)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a OPTH tidemark Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-581 TOptl15Min

Alarm	Attributes	Applicable major NE releases
Name: TOptl15Min (3490) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_OPTL_15MIN (1319)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a OPTL tidemark Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-582 TOptl1Day

Alarm	Attributes	Applicable major NE releases
Name: TOptl1Day (3491) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_OPTL_1DAY (1320)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a OPTL tidemark Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-583 TPostfec15Min

Alarm	Attributes	Applicable major NE releases
Name: TPostfec15Min (3492) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_POSTFEC_15MIN (1321)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when Indicates a Post-FEC BER Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

(2 of 2)

Table 3-584 TPostfec1Day

Alarm	Attributes	Applicable major NE releases
Name: TPostfec1Day (3493) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_POSTFEC_1DAY (1322)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a Post-FEC BER Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-585 TPrefec15Min

Alarm	Attributes	Applicable major NE releases
Name: TPrefec15Min (3494) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_PREFEC_15MIN (1323)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a Pre-FEC BER Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-586 TPrefec1Day

Alarm	Attributes	Applicable major NE releases
Name: TPrefec1Day (3495) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_PREFEC_1DAY (1324)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a Pre-FEC BER Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-587 TrailTracelIdentifierMismatch

Alarm	Attributes	Applicable major NE releases
Name: TrailTracelIdentifierMismatch (4598) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: Tim (1074) Applicable probable causes: <ul style="list-style-type: none"> • Tim • TimOdu • TrailTracelIdentifierMismatchEgress 	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Trail Identifier Mismatch - OTU is detected.		
Remedial action: This alarm is raised when the incoming optical channel trail trace message does not match the expected incoming optical channel trail trace message. Refer TIMODU (Trace Identifier Mismatch - ODU) in 1830 PSS Troubleshooting guide for detailed corrective procedure.		

Table 3-588 TrailTracIdentifierMismatchEgress

Alarm	Attributes	Applicable major NE releases
Name: TrailTracIdentifierMismatchEgress (4940) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: TrailTracIdentifierMismatchEgress (1801)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Trail Identifier Mismatch Egress - ODU .		
Remedial action: Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

Table 3-589 TransferLogFL

Alarm	Attributes	Applicable major NE releases
Name: TransferLogFL (4875) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: variable Implicitly cleared: true Default probable cause: TransferLogFL (1939)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Transfer log Failtemp file read or create fail is detected.		
Remedial action: New PSS Alarm Needs to be Updated for Remedial Action.		

Table 3-590 TransferLogFT

Alarm	Attributes	Applicable major NE releases
Name: TransferLogFT (4876) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: variable Implicitly cleared: true Default probable cause: TransferLogFT (1940)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Transfer log Fail is detected.		

(1 of 2)

3 — Alcatel-Lucent 1830 PSS alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: New PSS Alarm Needs to be Updated for Remedial Action.		

(2 of 2)

Table 3-591 TransferLogIP

Alarm	Attributes	Applicable major NE releases
Name: TransferLogIP (4877) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: variable Implicitly cleared: true Default probable cause: TransferLogIP (1941)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Transfer log in progress is detected.		
Remedial action: New PSS Alarm Needs to be Updated for Remedial Action.		

Table 3-592 TransmitLaserOffRxFaultDuringLineLoopback

Alarm	Attributes	Applicable major NE releases
Name: TransmitLaserOffRxFaultDuringLineLoopback (2107) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: LaserOffLpbk (1082)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Transmit laser off - rx fault during line loopback is detected.		
Remedial action: Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

Table 3-593 TrapDestinationMisconfigured

Alarm	Attributes	Applicable major NE releases
Name: TrapDestinationMisconfigured (33) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: trapDestinationMisconfigured (26) Applicable probable causes: <ul style="list-style-type: none"> trapDestinationMisconfigured duplicateTrapLogId 	<ul style="list-style-type: none"> 2.3 2.5 3.0 3.5 3.6 5.0 5.1 5.5 6.0
Description: The alarm is raised when the 5620 SAM cannot be added to the NE's SNMP trap destinations.		
Raising condition: ('isTrapDestinationMisconfigured' EQUAL 'true')		
Clearing condition: ('isTrapDestinationMisconfigured' EQUAL 'false')		
Remedial action: A configuration error has been made which must be corrected. The SNMP trap destination on the NE must be configured to the IP address of the SAM server.		

Table 3-594 TrapReceivingFailure

Alarm	Attributes	Applicable major NE releases
Name: TrapReceivingFailure (1083) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: false Default probable cause: trapsWillNotBeSent (822)	<ul style="list-style-type: none"> 2.3 2.5 3.0 3.5 3.6 5.0 5.1 5.5 6.0
Description: This user-defined alarm is raised when the NE is unable to send traps because the NE configuration is one of the following: - The Management IP Selection is set to Out Of Band Only, the Primary Route Preference is set to In Band, and the Secondary Route Preference is set to None. - The Management IP Selection is set to In Band Only, the Primary Route Preference is set to Out Of Band, and the Secondary Route Preference is set to None.		
Raising condition: (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		

(1 of 2)

3 — Alcatel-Lucent 1830 PSS alarms

Alarm	Attributes	Applicable major NE releases
Clearing condition: (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND (('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND (('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND (('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND (('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND (('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND (('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band'))))		
Remedial action: A configuration error has been made which must be corrected. The configuration error must be corrected per the discussion in the description for this alarm.		

(2 of 2)

Table 3-595 TrapRoutePreferenceRedundancyMissing

Alarm	Attributes	Applicable major NE releases
Name: TrapRoutePreferenceRedundancyMissing (1084) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: trapsRedundancyMissing (823)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The user-defined alarm is raised when NE management redundancy is configured without trap route preference redundancy.		
Raising condition: (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
Clearing condition: (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Secondary Route Preference' NOT EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Secondary Route Preference' NOT EQUAL 'None'))))		
Remedial action: A configuration error has been made which must be corrected. The IP address of the standby SAM server must be configured on the NE in question.		

Table 3-596 TrmtMOD

Alarm	Attributes	Applicable major NE releases
Name: TrmtMOD (3546) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: TrmtMOD (1376)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Pluggable Module transmit failure is detected.		
Remedial action: This alarm is raised at the pluggable module equipment and indicates a fault on the transmot port of the pluggable module. Please follow the below steps to clear this alarm(At the end of each step wait to see if the fault clears. If not proceed with the next step): 1. Perform a warm reset of the card. 2. Remove the pluggable module from the port on the card it is inserted in. Examine the connector on the pluggable module and the receptacle connector on the card where the pluggable module plugs into for any damage. If no damage is seen, reinsert the pluggable module into its port. 3. Remove and replace the pluggable module with another unit of the same type. 4. Perform a cold reset of the card. 5. Reseat the card. 6. Replace the card. For Detailed steps Please refer 1830 PSS Maintenance and Trouble-Clearing User Guide.		

Table 3-597 TRUBRKROPEN

Alarm	Attributes	Applicable major NE releases
Name: TRUBRKROPEN (4938) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: TRUBRKROPEN (1998)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Open circuit breaker .		
Remedial action: Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

3 — Alcatel-Lucent 1830 PSS alarms

Table 3-598 TRUSVCVOLTFLT

Alarm	Attributes	Applicable major NE releases
Name: TRUSVCVOLTFLT (4939) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: TRUSVCVOLTFLT (1999)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Bad Service Voltage on OneTRU Alarm Board .		
Remedial action: Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

Table 3-599 TSefs15Min

Alarm	Attributes	Applicable major NE releases
Name: TSefs15Min (3496) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_SEFS_15MIN (1325)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a SEFS Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-600 TSefs1Day

Alarm	Attributes	Applicable major NE releases
Name: TSefs1Day (3497) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_SEFS_1DAY (1326)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when Indicates a SEFS Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

(2 of 2)

Table 3-601 TSefsPcs15Min

Alarm	Attributes	Applicable major NE releases
Name: TSefsPcs15Min (3498) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_SEFS_PCS_15MIN (1327)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a SEFS-PCS Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-602 TSefsPcs1Day

Alarm	Attributes	Applicable major NE releases
Name: TSefsPcs1Day (3499) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_SEFS_PCS_1DAY (1328)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a SEFS-PCS Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

3 — Alcatel-Lucent 1830 PSS alarms

Table 3-603 TSefsPcst15Min

Alarm	Attributes	Applicable major NE releases
Name: TSefsPcst15Min (3500) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_SEFS_PCST_15MIN (1329)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a SEFS-PCS Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-604 TSefsPcst1Day

Alarm	Attributes	Applicable major NE releases
Name: TSefsPcst1Day (3501) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_SEFS_PCST_1DAY (1330)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a SEFS-PCS Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-605 TSefss15Min

Alarm	Attributes	Applicable major NE releases
Name: TSefss15Min (3502) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_SEFSS_15MIN (1331)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when Indicates a SEFS-S Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

(2 of 2)

Table 3-606 TSefss1Day

Alarm	Attributes	Applicable major NE releases
Name: TSefss1Day (3503) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_SEFSS_1DAY (1332)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a SEFS-S Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-607 TSefsst15Min

Alarm	Attributes	Applicable major NE releases
Name: TSefsst15Min (3504) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_SEFSST_15MIN (1333)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a SEFS-S Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

3 — Alcatel-Lucent 1830 PSS alarms

Table 3-608 TSefsst1Day

Alarm	Attributes	Applicable major NE releases
Name: TSefsst1Day (3505) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_SEFSST_1DAY (1334)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a SEFS-S Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-609 TSes15Min

Alarm	Attributes	Applicable major NE releases
Name: TSes15Min (3506) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_SES_15MIN (1335)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a SES Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-610 TSes1Day

Alarm	Attributes	Applicable major NE releases
Name: TSes1Day (3507) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_SES_1DAY (1336)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when Indicates a SES Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

(2 of 2)

Table 3-611 TSesL15Min

Alarm	Attributes	Applicable major NE releases
Name: TSesL15Min (3508) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_SES_L_15MIN (1337)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a SES-L Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-612 TSesL1Day

Alarm	Attributes	Applicable major NE releases
Name: TSesL1Day (3509) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_SES_L_1DAY (1338)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a SES-L Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

3 — Alcatel-Lucent 1830 PSS alarms

Table 3-613 TSesMs15Min

Alarm	Attributes	Applicable major NE releases
Name: TSesMs15Min (3510) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_SES_MS_15MIN (1339)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a SES-MS Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-614 TSesMs1Day

Alarm	Attributes	Applicable major NE releases
Name: TSesMs1Day (3511) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_SES_MS_1DAY (1340)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a SES-MS Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-615 TSesOdu15Min

Alarm	Attributes	Applicable major NE releases
Name: TSesOdu15Min (3512) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_SES_ODU_15MIN (1341)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when Indicates a SES-ODU Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

(2 of 2)

Table 3-616 TSesOdu1Day

Alarm	Attributes	Applicable major NE releases
Name: TSesOdu1Day (3513) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_SES_ODU_1DAY (1342)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a SES-ODU Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-617 TSesOtu15Min

Alarm	Attributes	Applicable major NE releases
Name: TSesOtu15Min (3514) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_SES_OTU_15MIN (1343)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a SES-OTU Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

3 — Alcatel-Lucent 1830 PSS alarms

Table 3-618 TSesOtu1Day

Alarm	Attributes	Applicable major NE releases
Name: TSesOtu1Day (3515) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_SES_OTU_1DAY (1344)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a SES-OTU Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-619 TSesP15Min

Alarm	Attributes	Applicable major NE releases
Name: TSesP15Min (3516) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_SES_P_15MIN (1345)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a SES-P Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-620 TSesP1Day

Alarm	Attributes	Applicable major NE releases
Name: TSesP1Day (3517) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_SES_P_1DAY (1346)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when Indicates a SES-P Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

(2 of 2)

Table 3-621 TSesPcs15Min

Alarm	Attributes	Applicable major NE releases
Name: TSesPcs15Min (3518) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_SES_PCS_15MIN (1347)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a SES-PCS Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-622 TSesPcs1Day

Alarm	Attributes	Applicable major NE releases
Name: TSesPcs1Day (3519) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_SES_PCS_1DAY (1348)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a SES-PCS Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

3 — Alcatel-Lucent 1830 PSS alarms

Table 3-623 TSesPcst15Min

Alarm	Attributes	Applicable major NE releases
Name: TSesPcst15Min (3520) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_SES_PCST_15MIN (1349)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a SES-PCS Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-624 TSesPcst1Day

Alarm	Attributes	Applicable major NE releases
Name: TSesPcst1Day (3521) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_SES_PCST_1DAY (1350)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a SES-PCS Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-625 TSesPt15Min

Alarm	Attributes	Applicable major NE releases
Name: TSesPt15Min (3522) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_SES_PT_15MIN (1351)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when Indicates a SES-PT Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

(2 of 2)

Table 3-626 TSesPt1Day

Alarm	Attributes	Applicable major NE releases
Name: TSesPt1Day (3523) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_SES_PT_1DAY (1352)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a SES-PT Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-627 TSesRs15Min

Alarm	Attributes	Applicable major NE releases
Name: TSesRs15Min (3524) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_SES_RS_15MIN (1353)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a SES-RS Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

3 — Alcatel-Lucent 1830 PSS alarms

Table 3-628 TSesRs1Day

Alarm	Attributes	Applicable major NE releases
Name: TSesRs1Day (3525) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_SES_RS_1DAY (1354)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a SES-RS Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-629 TSesRst15Min

Alarm	Attributes	Applicable major NE releases
Name: TSesRst15Min (3526) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_SES_RST_15MIN (1355)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a SES-RS Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-630 TSesRst1Day

Alarm	Attributes	Applicable major NE releases
Name: TSesRst1Day (3527) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_SES_RST_1DAY (1356)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when Indicates a SES-RS Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

(2 of 2)

Table 3-631 TSess15Min

Alarm	Attributes	Applicable major NE releases
Name: TSess15Min (3528) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_SESS_15MIN (1357)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a SES-S Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-632 TSess1Day

Alarm	Attributes	Applicable major NE releases
Name: TSess1Day (3529) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_SESS_1DAY (1358)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a SES-S Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

3 — Alcatel-Lucent 1830 PSS alarms

Table 3-633 TSesst15Min

Alarm	Attributes	Applicable major NE releases
Name: TSesst15Min (3530) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_SESST_15MIN (1359)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a SES-S Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-634 TSesst1Day

Alarm	Attributes	Applicable major NE releases
Name: TSesst1Day (3531) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_SESST_1DAY (1360)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a SES-S Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-635 TSesTcm15Min

Alarm	Attributes	Applicable major NE releases
Name: TSesTcm15Min (4587) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_SES_TCM_15MIN (1789)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when Indicates a SES-ODU-TCM NearEnd Threshold Crossing detection is detected.		
Remedial action: Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

(2 of 2)

Table 3-636 TSesTcm1Day

Alarm	Attributes	Applicable major NE releases
Name: TSesTcm1Day (4588) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_SES_TCM_1DAY (1790)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a SES-ODU-TCM NearEnd Threshold Crossing detection is detected.		
Remedial action: Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

Table 3-637 TsMismatch

Alarm	Attributes	Applicable major NE releases
Name: TsMismatch (4599) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: TsMismatch (1802)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Time Slot Assignment Mismatch is detected.		
Remedial action: 1 Check that the Client port on the Far End and Near End both have the same time slots.For CLI config interface cardname sh/si/pt signal_rate timeslot For WEBUI On the Far End NE, Select the slot and client port of the card.Click the Time Slot tab.Select/de-select the appropriate time slots to match those selected on the Near End NE, and click Submit.		

Table 3-638 TsMismatchOut

Alarm	Attributes	Applicable major NE releases
Name: TsMismatchOut (4600) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: TsMismatchOut (1803)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Time Slot Assignment Mismatch OUT is detected.		
Remedial action: 1 Check that the Client port on the Far End and Near End both have the same time slots. For CLI config interface cardname sh/sl/pt signal_rate timeslot For WEBUI On the Far End NE, Select the slot and client port of the card. Click the Time Slot tab. Select/de-select the appropriate time slots to match those selected on the Near End NE, and click Submit.		

Table 3-639 TUasMs15Min

Alarm	Attributes	Applicable major NE releases
Name: TUasMs15Min (3532) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_UAS_MS_15MIN (1361)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a UAS-MS Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-640 TUasMs1Day

Alarm	Attributes	Applicable major NE releases
Name: TUasMs1Day (3533) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_UAS_MS_1DAY (1362)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a UAS-MS Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-641 TUasOdu15Min

Alarm	Attributes	Applicable major NE releases
Name: TUasOdu15Min (3534) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_UAS_ODU_15MIN (1363)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a UAS-ODU Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-642 TUasOdu1Day

Alarm	Attributes	Applicable major NE releases
Name: TUasOdu1Day (3535) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_UAS_ODU_1DAY (1364)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0

(1 of 2)

3 — Alcatel-Lucent 1830 PSS alarms

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when Indicates a UAS-ODU Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

(2 of 2)

Table 3-643 TUasOtu15Min

Alarm	Attributes	Applicable major NE releases
Name: TUasOtu15Min (3536) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_UAS_OTU_15MIN (1365)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a UAS-OTU Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-644 TUasOtu1Day

Alarm	Attributes	Applicable major NE releases
Name: TUasOtu1Day (3537) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_UAS_OTU_1DAY (1366)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a UAS-OTU Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-645 TUasP15Min

Alarm	Attributes	Applicable major NE releases
Name: TUasP15Min (3538) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_UAS_P_15MIN (1367)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a UAS-P Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-646 TUasP1Day

Alarm	Attributes	Applicable major NE releases
Name: TUasP1Day (3539) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_UAS_P_1DAY (1368)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a UAS-P Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-647 TUasPt15Min

Alarm	Attributes	Applicable major NE releases
Name: TUasPt15Min (3540) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_UAS_PT_15MIN (1369)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0

(1 of 2)

3 — Alcatel-Lucent 1830 PSS alarms

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when Indicates a UAS-PT Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

(2 of 2)

Table 3-648 TUasPt1Day

Alarm	Attributes	Applicable major NE releases
Name: TUasPt1Day (3541) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_UAS_PT_1DAY (1370)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a UAS-PT Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-649 TUasRs15Min

Alarm	Attributes	Applicable major NE releases
Name: TUasRs15Min (3542) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_UAS_RS_15MIN (1371)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a UAS-RS Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-650 TUasRs1Day

Alarm	Attributes	Applicable major NE releases
Name: TUasRs1Day (3543) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_UAS_RS_1DAY (1372)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a UAS-RS Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-651 TUasRst15Min

Alarm	Attributes	Applicable major NE releases
Name: TUasRst15Min (3544) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_UAS_RST_15MIN (1373)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates a UAS-RS Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-652 TUasRst1Day

Alarm	Attributes	Applicable major NE releases
Name: TUasRst1Day (3545) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_UAS_RST_1DAY (1374)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0

(1 of 2)

3 — Alcatel-Lucent 1830 PSS alarms

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when Indicates a UAS-RS Threshold Crossing detection is detected.		
Remedial action: The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

(2 of 2)

Table 3-653 TUasTcm15Min

Alarm	Attributes	Applicable major NE releases
Name: TUasTcm15Min (4589) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_UAS_TCM_15MIN (1791)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates an UAS-ODU-TCM NearEnd Threshold Crossing detection is detected.		
Remedial action: Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

Table 3-654 TUasTcm1Day

Alarm	Attributes	Applicable major NE releases
Name: TUasTcm1Day (4590) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_UAS_TCM_1DAY (1792)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Indicates an UAS-ODU-TCM NearEnd Threshold Crossing detection is detected.		
Remedial action: Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

Table 3-655 TunableLaserNotProvisioned

Alarm	Attributes	Applicable major NE releases
Name: TunableLaserNotProvisioned (2108) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: PrcdrErr (1083)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Tunable laser not provisioned is detected.		
Remedial action: Please refer section PRCDRERR in 1830 PSS Troubleshooting guide for detailed corrective action.		

Table 3-656 UnexpectedWaveKey

Alarm	Attributes	Applicable major NE releases
Name: UnexpectedWaveKey (4601) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: OchUnknown (1084) Applicable probable causes: <ul style="list-style-type: none"> • OchUnknown • OchUnknownOut 	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Channel unexpected is detected.		
Remedial action: Please refer OCHUNKNOWN (Channel Unexpected) in 1830 PSS Troubleshooting guide for detailed corrective action.		

Table 3-657 UnidentifiedNode

Alarm	Attributes	Applicable major NE releases
Name: UnidentifiedNode (1922) Type: communicationsAlarm (4) Package: netw Raised on class: netw.DiscoveredNode	Severity: major Implicitly cleared: true Default probable cause: unidentifiedNode (922)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0

(1 of 2)

3 — Alcatel-Lucent 1830 PSS alarms

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when the node being discovered can not be properly identified.		
Raising condition: ('State' EQUAL 'Pending Identification')		
Clearing condition: ('State' NOT EQUAL 'Pending Identification')		
Remedial action: A configuration error has occurred that must be corrected. The eNodeB does not have a system name. The name can be configured by selecting the alarm, opening the associated properties form for the alarmed object and configuring the system name.		

(2 of 2)

Table 3-658 UnitNotInserted

Alarm	Attributes	Applicable major NE releases
Name: UnitNotInserted (4966) Type: equipmentAlarm (3) Package: rmd Raised on class: rmd.Port	Severity: variable Implicitly cleared: true Default probable cause: RmdIfUNI (2021)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when the unit is not inserted in a RMD device of type cEDD. Applicable to customer ports only.		
Remedial action: Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action		

Table 3-659 UnknownWaveKeyForConnection

Alarm	Attributes	Applicable major NE releases
Name: UnknownWaveKeyForConnection (4602) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: OchTrailUnknown (1805)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Unknown OCH Trail for x-connect is detected.		
Remedial action: Please refer section OCHTRAILUNKNOWN (Unknown OCH Trail for x-connect) in 1830 PSS Troubleshooting guide for detailed corrective action.		

Table 3-660 UNL

Alarm	Attributes	Applicable major NE releases
Name: UNL (3975) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: variable Implicitly cleared: true Default probable cause: UNL (1552)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when a first CCM frame is received with incorrect MEG level.		
Remedial action: This alarm is raised when a MEP receives a first CCM frame with an incorrect MEG level.		

Table 3-661 UNM

Alarm	Attributes	Applicable major NE releases
Name: UNM (3976) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: variable Implicitly cleared: true Default probable cause: UNM (1553)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when a MEP receives a CCM frame with a correct MEG level or MEG ID, but unexpected MEP ID which includes the MEP's own MEP ID.		
Remedial action: This alarm is raised when a MEP receives a CCM frame with an unexpected MEP ID.		

Table 3-662 UnmanageFailed

Alarm	Attributes	Applicable major NE releases
Name: UnmanageFailed (300) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.NodeDiscoveryControl	Severity: warning Implicitly cleared: true Default probable cause: unableToDeleteNode (231)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0

(1 of 2)

3 — Alcatel-Lucent 1830 PSS alarms

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when an attempt to unmanage an NE fails.		
Raising condition: ('Site State' EQUAL 'unmanage failed')		
Clearing condition: ('Site State' NOT EQUAL 'unmanage failed')		
Remedial action: Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

(2 of 2)

Table 3-663 UnMOrUnP

Alarm	Attributes	Applicable major NE releases
Name: UnMOrUnP (3737) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: UnMOrUnP (1475)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Unexpected MEP id or periodicity is detected.		
Remedial action: Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

Table 3-664 UNP

Alarm	Attributes	Applicable major NE releases
Name: UNP (3977) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: variable Implicitly cleared: true Default probable cause: UNP (1554)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when a MEP receives a CCM frame with a correct MEG level, a correct MEG ID, or a correct MEP ID, but with period field value different than MEP's own CCM transmission period.		
Remedial action: This alarm is raised when a MEP receives a CCM frame with period field value different than the MEP's own CCM transmission period.		

Table 3-665 UNPr

Alarm	Attributes	Applicable major NE releases
Name: UNPr (3978) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: variable Implicitly cleared: true Default probable cause: UNPr (1555)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when a MEP receives a CCM frame with a correct MEG level, a correct MEG ID, or a correct MEP ID, but with priority field value different than MEP's own CCM transmission priority.		
Remedial action: This alarm is raised when a MEP receives a CCM frame with priority field value different than the MEP's own CCM transmission priority.		

Table 3-666 unsupportedPortUsage

Alarm	Attributes	Applicable major NE releases
Name: unsupportedPortUsage (5184) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: warning Implicitly cleared: true Default probable cause: incompatiblePortUsage (2100)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised in case unsupported port type is configured		
Raising condition: ((('portId' >= '1L') AND ('portId' <= '4L') AND ('specificCardType' EQUAL 'EASv2') AND (('Port Usage' EQUAL 'MPT-HC') OR ('Port Usage' EQUAL 'MPT-MC'))))"		
Clearing condition: NOT (((('portId' >= '1L') AND ('portId' <= '4L') AND ('specificCardType' EQUAL 'EASv2') AND (('Port Usage' EQUAL 'MPT-HC') OR ('Port Usage' EQUAL 'MPT-MC')))))"		
Remedial action: This alarm indicates unsupported port usage. Port usage configured on the NE is not supported by SAM.		

Table 3-667 UpgradedBuildVersionMismatch

Alarm	Attributes	Applicable major NE releases
Name: UpgradedBuildVersionMismatch (174) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: upgradedImageNotBooted (137)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when the software version that an NE reports after a software upgrade does not match the version of the software used for the upgrade.		
Raising condition: ('upgradedBuildVersionMismatch' EQUAL 'true')		
Clearing condition: ('upgradedBuildVersionMismatch' EQUAL 'false')		
Remedial action: Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 3-668 upgradedCardAlarm

Alarm	Attributes	Applicable major NE releases
Name: upgradedCardAlarm (255) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: upgradedCard (194)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when the standby CPM is rebooted and operational after a software upgrade. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
Raising condition: ('operationalState' EQUAL 'Upgrade')		
Clearing condition: ('operationalState' EQUAL 'Up')		
Remedial action: Informational - no corrective action required.		

Table 3-669 UruOchLos

Alarm	Attributes	Applicable major NE releases
Name: UruOchLos (3547) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: UruOchLos (1377)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Underlying resource unavailable - OCH-LOS is detected.		
Remedial action: Perform corrective action as described in LOS - Loss of Signal		

Table 3-670 UruOmsRx

Alarm	Attributes	Applicable major NE releases
Name: UruOmsRx (3548) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: UruOmsRx (1378)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Underlying resource unavailable - OMS-RX is detected.		
Remedial action: This alarm indicates that there is an active LOSCWSIG alarm at the Sig In port of an CWR8, CWR8-88 or WR8-88 card. For corrective action please refer 1830 PSS Maintenance and Trouble-Clearing User Guide.		

Table 3-671 UruOmsTx

Alarm	Attributes	Applicable major NE releases
Name: UruOmsTx (3920) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: UruOmsTx (1504)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0

(1 of 2)

3 — Alcatel-Lucent 1830 PSS alarms

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when Underlying resource unavailable - OMS-TX is detected.		
Remedial action: Informational - no corrective action required.		

(2 of 2)

Table 3-672 UruOtsLos

Alarm	Attributes	Applicable major NE releases
Name: UruOtsLos (3549) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: UruOtsLos (1379)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Underlying Resource unavailable - OTS-LOS is detected.		
Remedial action: For corrective action please refer 1830 PSS Maintenance and Trouble-Clearing User Guide.		

Table 3-673 UruOtsRx

Alarm	Attributes	Applicable major NE releases
Name: UruOtsRx (3550) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: UruOtsRx (1380)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Underlying resource unavailable - OTS-RX is detected.		
Remedial action: Please follow the below steps to clear this alarm: 1. Retrieve the list of current alarms and conditions on the network element. 2. Perform corrective action as described in the appropriate LOS alarm trouble-clearing procedure at the alarmed port other than the network facing LINE/LINEIN port.		

Table 3-674 UruOtsTx

Alarm	Attributes	Applicable major NE releases
Name: UruOtsTx (3551) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: UruOtsTx (1381)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Underlying resource unavailable - OTS-TX is detected.		
Remedial action: Please follow the below steps to clear this alarm: 1. Retrieve the list of current alarms and conditions on the network element. 2. Perform corrective action as described in the appropriate LOS alarm trouble-clearing procedure at the alarmed port other than the network facing LINE/LINEIN port.		

Table 3-675 UruOtu

Alarm	Attributes	Applicable major NE releases
Name: UruOtu (3552) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: UruOtu (1382)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Underlying resource unavailable - port is detected.		
Remedial action: Perform corrective action as described in LOS - Loss of Signal at the LINE/LINEIN port.		

Table 3-676 UruS

Alarm	Attributes	Applicable major NE releases
Name: UruS (3553) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: UruS (1383)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0

(1 of 2)

3 — Alcatel-Lucent 1830 PSS alarms

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when Underlying resource unavailable - card is detected.		
Remedial action: This alarm indicates that an I/O card or server card has failed, and as a result one or more OTU port are affected. Please follow the below steps to clear this alarm: 1. According to your needs, a. delete(deprovision) the I/O card. b. insert the correct I/O card into the slot. c. replace the respective failed I/O card. 2. Refresh the list of current alarms, if the alarm persist contact next level of technical support for assistance.		

(2 of 2)

Table 3-677 UserEqptMismatch

Alarm	Attributes	Applicable major NE releases
Name: UserEqptMismatch (4603) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: UserEqptMismatch (1806)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when User equipment configuration mismatch is detected.		
Remedial action: Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

Table 3-678 UserPayloadMismatch

Alarm	Attributes	Applicable major NE releases
Name: UserPayloadMismatch (4604) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: Upm (1807)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when GFP User Payload Mismatch is detected.		
Remedial action: 1 Locate the OT with the UPM defect. Verify the encapsulation mode value. 2 Locate the OT at the opposite end of the link. Ensure that the provisioning for the encapsulation mode parameter is the same for each OT.		

Table 3-679 VcatLossOfAlignment

Alarm	Attributes	Applicable major NE releases
Name: VcatLossOfAlignment (4605) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: VcgLoa (1808)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when VCG Loss of alignment is detected.		
Remedial action: This alarm indicates that a loss of alignment has occurred in the virtual concatenation. Please follow the below steps to clear this alarm: 1. Verify the end-to-end path of the 11STMM10 circuit to ensure that the card reporting the alarm is connected to a 11STMM10 on the far end. A possible cause of this alarm is if the card is connected to another valid OC-48 signal generated by a test set or SONET interface, but which does not include two GFP encapsulated 1 GbE signals. Perform a warm card reset of the 11STMM10 reporting the alarm. 2. Perform a warm reset of the far end 11STMM10 that is connected to the 11STMM10 reporting the alarm. 3. Perform a cold reset of the far end 11STMM10 that is connected to the 11STMM10 reporting the alarm. 4. Reset the card of the far end 11STMM10 that is connected to the 11STMM10 reporting the alarm. 5. Replace the 11STMM10 reporting the alarm. For Detailed steps Please refer 1830 PSS Maintenance and Trouble-Clearing User Guide.		

Table 3-680 VcgServerSignalFailure

Alarm	Attributes	Applicable major NE releases
Name: VcgServerSignalFailure (4606) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: VcgSsf (1809)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when VCG Server Signal Failure is detected.		
Remedial action: This alarm indicates that the OT has detected a VCG Server Signal Failure. This rare condition is raised when the time slots are incorrect. To clear this alarm, verify that the time slot information on the 11STMM10 line port and ODU1 are correctly provisioned on each end of the optical link. If not, use the following CLI commands to ensure timeslots are provisioned the same: Config interface 11STMM10 shelf slot/C{1-10} 1gbe timeslot line 1-4 Config interface 11stmm10 shelf slot/C{1-10} 1gbe timeslot vts 0 or 1,4,7,10,13,16,19,22,25,28,31,34,37,40,43,46		

Table 3-681 VersionConfigRestoreFailed

Alarm	Attributes	Applicable major NE releases
Name: VersionConfigRestoreFailed (536) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: versionMismatch (405)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when the restore procedure on an NE fails because of a mismatch between the backup file set version and the NE software version.		
Raising condition: ('lastNmsVersionRestoreState' EQUAL 'Failure')		
Clearing condition: ('lastNmsVersionRestoreState' EQUAL 'Success')		
Remedial action: The backup files being restored do not match with the version of node software release. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

Table 3-682 VoltageHigh

Alarm	Attributes	Applicable major NE releases
Name: VoltageHigh (3554) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: VoltageHigh (1384)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when High Input Voltage Defect is detected.		
Remedial action: 1. Using a DC voltmeter, measure the power going to the shelf and verify that it is within the accepted limits for proper operation (-48 to -52 volts). 2. Perform a warm reset on the Equipment Controller that is raising the PWR condition. 3. Perform a cold reset on the Equipment Controller that is raising the PWR condition. 4. Reseat the Equipment Controller that is raising the PWR condition. 5. Replace the Equipment Controller that is raising the PWR condition. Follow the return and repair process to return the card to an authorized repair center for replacement.		

Table 3-683 VoltageLow

Alarm	Attributes	Applicable major NE releases
Name: VoltageLow (3555) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: VoltageLow (1385)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when VBatt magnitude below nominal range is detected.		
Remedial action: 1. Check the breakers for the alarmed shelf and verify that they are ON. 2. Using a DC voltmeter, measure the power going to the shelf and verify that it is within the accepted limits for proper operation (-48 to -52 volts). 3. Perform a warm reset on the Equipment Controller that is raising the PWR condition. 4. Perform a cold reset on the Equipment Controller that is raising the PWR condition. 5. Reseat the Equipment Controller that is raising the PWR condition. 6. Replace the Equipment Controller that is raising the PWR condition. Follow the return and repair process to return the card to an authorized repair center for replacement		

Table 3-684 VtsForwardDefectIndication

Alarm	Attributes	Applicable major NE releases
Name: VtsForwardDefectIndication (4607) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: VTSFDI1 (1810) Applicable probable causes: <ul style="list-style-type: none"> • VTSFDI1 • VTSFDI2 • VTSFDI3 • VTSFDI4 • VTSFDI5 • VTSFDI6 • VTSFDI7 • VTSFDI8 • VTSFDI9 • VTSFDI10 • VTSFDI11 • VTSFDI12 • VTSFDI13 • VTSFDI14 • VTSFDI15 • VTSFDI16 • VTSFDI17 • VTSFDI18 • VTSFDI19 • VTSFDI20 • VTSFDI21 • VTSFDI22 • VTSFDI23 • VTSFDI24 • VTSFDI25 • VTSFDI26 • VTSFDI27 • VTSFDI28 • VTSFDI29 • VTSFDI30 • VTSFDI31 • VTSFDI32 • VTSFDI 	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when VTS Forward Defect Indication is detected.		
Remedial action: This alarm is raised when a problem has occurred upstream that causes an APS/PCC failure indication on the Virtual Time Slot[n] received by the 11DPE12/11DPE12E. Please follow the below steps to clear this alarm(At the end of each step wait to see if the fault clears. If not proceed with the next step): 1. Check the alarms/conditions along the OCh trail. 2. Identify the farthest upstream alarm/condition relative to the far end OTU2 port or client GBE port. 3. Check the OTU2 line port and client GBE port. 4. Follow the procedure for clearing identified alarm condition.		

Table 3-685 VtsOpenConnectionIndication

Alarm	Attributes	Applicable major NE releases
Name: VtsOpenConnectionIndication (4608) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: VTSOCI1 (1843) Applicable probable causes: <ul style="list-style-type: none"> • VTSOCI1 • VTSOCI2 • VTSOCI3 • VTSOCI4 • VTSOCI5 • VTSOCI6 • VTSOCI7 • VTSOCI8 • VTSOCI9 • VTSOCI10 • VTSOCI11 • VTSOCI12 • VTSOCI13 • VTSOCI14 • VTSOCI15 • VTSOCI16 • VTSOCI17 • VTSOCI18 • VTSOCI19 • VTSOCI20 • VTSOCI21 • VTSOCI22 • VTSOCI23 • VTSOCI24 • VTSOCI25 • VTSOCI26 • VTSOCI27 • VTSOCI28 • VTSOCI29 • VTSOCI30 • VTSOCI31 • VTSOCI32 • VTSOCI 	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when VTS Open Connection Indication is detected.		
Remedial action: This alarm is raised when the downstream 11DPE12/11DPE12E OT receives an APS/PCC message indicating an OCI from the upstream OT. This alarm is raised at the downstream OT on the Virtual Time Slot[n] which has an established connection. To clear this alarm, check the upstream 11DPE12/11DPE12E OT for any alarms/conditions on any VTS[n] with electrical connections. This will cause the OT to send an OCI message for the relevant VTS[n] to the downstream OT. An electrical connection is a provisioned connection from the VTS[n] to a GbE client port or another line VTS. If such an alarm is present, go to the procedure for clearing OCI alarms to clear the VTSOCI alarm at the downstream 11DPE12/11DPE12E OT.		

3 — Alcatel-Lucent 1830 PSS alarms

Table 3-686 WaveKeyInsertionFailure

Alarm	Attributes	Applicable major NE releases
Name: WaveKeyInsertionFailure (4609) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: Mod (1876)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Card degrade - wavelength tracker channel id insertion is detected.		
Remedial action: Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

Table 3-687 WaveKeyOverlap

Alarm	Attributes	Applicable major NE releases
Name: WaveKeyOverlap (2117) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: OchKeyOverlap (1877)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when Wave Key overlap is detected.		
Remedial action: 1. Perform the procedure Path Power Trace to identify the endpoints of the service for the particular alarmed channel. 2. List the cross connects that currently exist on the endpoint NEs and identify the cross connects involved with the alarmed power trace. 3. Rekey the associated connections identified in Step 2.		

Table 3-688 WavelengthTrackerEncodeDegrade

Alarm	Attributes	Applicable major NE releases
Name: WavelengthTrackerEncodeDegrade (2121) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: MtcesurvDgr (1386)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when Port Degrade - wavelength tracker encode degrade is detected.		
Remedial action: Please refer section MTCEURVDGR (Port degrade - wavelength tracker encode degrade) in 1830 PSS Troubleshooting guide.		

(2 of 2)

Table 3-689 WavelengthTrackerFailure

Alarm	Attributes	Applicable major NE releases
Name: WavelengthTrackerFailure (4610) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: Contr (1878) Applicable probable causes: <ul style="list-style-type: none"> Contr ContrOut 	<ul style="list-style-type: none"> 2.3 2.5 3.0 3.5 3.6 5.0 5.1 5.5 6.0
Description: The alarm is raised when Port degrade - wavelength tracker detection failure is detected.		
Remedial action: 1 Perform a warm reset of the card.2 Perform a cold reset of the card.3 Reseat the Card.4 Replace the Card.ction updation pending.For Details Refer Procedure : Clear Port degrade - wavelength tracker communication failure in 1830 Troubleshooting guide.		

Table 3-690 WrongCpaaSoftwareVersion

Alarm	Attributes	Applicable major NE releases
Name: WrongCpaaSoftwareVersion (791) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: wrongCpaaSoftwareVersion (559)	<ul style="list-style-type: none"> 2.3 2.5 3.0 3.5 3.6 5.0 5.1 5.5 6.0
Description: The alarm is raised when the 7701 CPAA software is the wrong version and requires an upgrade.		
Raising condition: (('Software Version' EQUAL 'TIMOS-B-3.0.Generic "') AND ('Chassis Type' EQUAL '7701 CPAA'))		
Clearing condition: (('Software Version' NOT EQUAL 'TIMOS-B-3.0.Generic "') AND ('Chassis Type' EQUAL '7701 CPAA'))		
Remedial action: The SW version of the CPAA must be upgraded to the version compatible with CPAM version.		

3 — Alcatel-Lucent 1830 PSS alarms

Table 3-691 WrongDevicePresent

Alarm	Attributes	Applicable major NE releases
Name: WrongDevicePresent (4967) Type: equipmentAlarm (3) Package: rmd Raised on class: rmd.Device	Severity: variable Implicitly cleared: true Default probable cause: RmdWDP (2022)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when there is an incorrect device found.		
Remedial action: Please ensure that the configure device type of the RMD is correct.		

Table 3-692 WrongUnitInserted

Alarm	Attributes	Applicable major NE releases
Name: WrongUnitInserted (4968) Type: equipmentAlarm (3) Package: rmd Raised on class: rmd.Port	Severity: variable Implicitly cleared: true Default probable cause: RmdIfWUP (2023)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: The alarm is raised when the wrong unit is inserted in a RMD device of type cEDD. Applicable to both customer and network ports.		
Remedial action: Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action		

Table 3-693 WtocaOsnrOomr

Alarm	Attributes	Applicable major NE releases
Name: WtocaOsnrOomr (4611) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: WTOCA_OSNROOMR (1880)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when Channel OSNR is out of valid measurement range is detected.		
Remedial action: The Channel OSNR is out of valid measurement range alarm is cleared automatically at the end of first complete interval during which the updated measuring OSNR value is in the valid measuring range (from 10dB to 25dB).		

(2 of 2)

Table 3-694 WTR

Alarm	Attributes	Applicable major NE releases
Name: WTR (3927) Type: equipmentAlarm (3) Package: optical Raised on class: optical.LineReference	Severity: variable Implicitly cleared: true Default probable cause: Wtr (1513)	<ul style="list-style-type: none"> • 2.3 • 2.5 • 3.0 • 3.5 • 3.6 • 5.0 • 5.1 • 5.5 • 6.0
Description: Switching applications - Set on working path of an SNCP when switching is revertive and effects have cleared on the working path and the Wait-to-Restore timer is in effect. \nPhotonic applications - The OT port has detected WTR at the LINEREF layer. A LINEREF detects WTR when on a timing reference and defects have cleared and the Wait to Restore timer is in effect. .		
Remedial action: Check the reference status.		

4 — Alcatel-Lucent 5780 DSC alarms



Note — Some alarms that the 5620 SAM can raise against this device may not be listed in this chapter. Associating alarms with specific NE types is an ongoing Alcatel-Lucent effort. If the 5620 SAM raises an alarm against this device type, and the alarm is not described in this chapter, see chapter [35](#) for information about the alarm.

Table 4-1 ActiveAbnormalCondition

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

Table 4-2 AtcaCardTemperatureLowerThresholdAlarm

Alarm	Attributes	Applicable major NE releases
Name: AtcaCardTemperatureLowerThresholdAlarm (3710) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.AtcaCard	Severity: variable Implicitly cleared: true Default probable cause: AtcaCardTemperatureLow (1448)	<ul style="list-style-type: none"> 5.0
Description: The alarm is raised when the ATCA card temperature has decreased below any of the lower thresholds.		
Raising condition: ('Temperature Threshold State' EQUAL 'Lower Critical')		
Clearing condition: ('Temperature Threshold State' EQUAL 'Unspecified')		
Remedial action: Informational - no corrective action required.		

Table 4-3 AtcaCardTemperatureUpperThresholdAlarm

Alarm	Attributes	Applicable major NE releases
Name: AtcaCardTemperatureUpperThresholdAlarm (3711) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.AtcaCard	Severity: variable Implicitly cleared: true Default probable cause: AtcaCardTemperatureHigh (1449)	<ul style="list-style-type: none"> 5.0
Description: The alarm is raised when the ATCA card temperature has increased beyond any of the upper thresholds.		
Raising condition: ('Temperature Threshold State' EQUAL 'Upper Critical')		
Clearing condition: ('Temperature Threshold State' EQUAL 'Unspecified')		
Remedial action: Monitor the blade. If the condition persists, replace the blade. If the condition applies to more than one blade, verify the performance of the site cooling system.		

Table 4-4 AtcaCardVoltageLowerThresholdAlarm

Alarm	Attributes	Applicable major NE releases
Name: AtcaCardVoltageLowerThresholdAlarm (3712) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.AtcaCard	Severity: variable Implicitly cleared: true Default probable cause: AtcaCardVoltageLow (1450)	<ul style="list-style-type: none"> 5.0
Description: The alarm is raised when the ATCA card voltage level has decreased below any of the lower thresholds.		
Raising condition: ('Voltage Threshold State' EQUAL 'Lower Critical')		
Clearing condition: ('Voltage Threshold State' EQUAL 'Unspecified')		
Remedial action: Monitor. If the alarm persists and the blade is in the active state, it should be replaced.		

Table 4-5 AtcaCardVoltageUpperThresholdAlarm

Alarm	Attributes	Applicable major NE releases
Name: AtcaCardVoltageUpperThresholdAlarm (3713) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.AtcaCard	Severity: variable Implicitly cleared: true Default probable cause: AtcaCardVoltageHigh (1451)	<ul style="list-style-type: none"> 5.0
Description: The alarm is raised when the ATCA card voltage level has increased beyond any of the upper thresholds.		
Raising condition: ('Voltage Threshold State' EQUAL 'Upper Critical')		
Clearing condition: ('Voltage Threshold State' EQUAL 'Unspecified')		
Remedial action: Monitor. If the alarm persists and the blade is in the active state, it should be replaced.		

Table 4-6 AtcaFanFailure

Alarm	Attributes	Applicable major NE releases
Name: AtcaFanFailure (1124) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Fan	Severity: critical Implicitly cleared: true Default probable cause: fanFailure (116)	<ul style="list-style-type: none"> 5.0
Description: The alarm is raised when the associated fan is not operationally Up.		
Raising condition: (('operationalState' EQUAL 'Disabled') OR ('operationalState' EQUAL 'Down'))		
Clearing condition: (('operationalState' EQUAL 'Enabled') OR ('operationalState' EQUAL 'Up'))		
Remedial action: This alarm is raised if the fan speed falls below 500 rpm. If the alarm persists, replace the appropriate (upper or lower) fan tray.		

Table 4-7 AtcaPowerSupplyFailure

Alarm	Attributes	Applicable major NE releases
Name: AtcaPowerSupplyFailure (1125) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupply	Severity: critical Implicitly cleared: true Default probable cause: fanFailure (116)	<ul style="list-style-type: none"> 5.0
Description: The alarm is raised when the associated power supply is not operationally Up.		
Raising condition: (('operationalState' EQUAL 'Disabled'))		
Clearing condition: ('operationalState' EQUAL 'Enabled')		
Remedial action: Check the status of the site power supply.		

4 — Alcatel-Lucent 5780 DSC alarms

Table 4-8 AuxiliaryServerStatus

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

Table 4-9 BootableConfigBackupFailed

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

Table 4-10 BootableConfigRestoreFailed

Alarm	Attributes	Applicable major NE releases
Name: BootableConfigRestoreFailed (104) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> 5.0
Description: The alarm is raised when the 5620 SAM fails to restore a set of NE configuration files.		
Raising condition: ('Restore State' EQUAL 'Failure')		
Clearing condition: ('Restore State' EQUAL 'Success')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: Investigation is required to resolve the following possible scenarios: the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

(2 of 2)

Table 4-11 BootParametersMisconfigured

Alarm	Attributes	Applicable major NE releases
Name: BootParametersMisconfigured (35) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: persistentIndexFailure (30) Applicable probable causes: <ul style="list-style-type: none"> • persistentIndexFailure • configFileBootFailure 	<ul style="list-style-type: none"> • 4.0 • 5.0
Description: The alarm is raised when the SNMP Index Boot Status on an NE is not set to Persistent.		
Raising condition: (('isGenericNode' EQUAL 'false') AND ('State' NOT EQUAL 'Pre-provisioned') AND (('Config File Status' NOT EQUAL 'Executed Successfully') OR ('Persistent Index Status' NOT EQUAL 'Rebuild Succeeded')))		
Clearing condition: (('Config File Status' EQUAL 'Executed Successfully') AND ('Persistent Index Status' EQUAL 'Rebuild Succeeded'))		
Remedial action: Ensure that "SNMP Index Boot Status" is persistent (using cli command "show system information" on the NE). If not, unmanage the network element from SAM, ensure that "persist on" is set in the bof file, save the bof, save a config file, verify that an index file (.ndx) is saved as well, reboot the router, verify that SNMP Index Boot Status is persistent and finally remanage the router from SAM.		

Table 4-12 ClientDelegateServerStatus

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

4 — Alcatel-Lucent 5780 DSC alarms

Table 4-13 ContainingEquipmentAdministrativelyDown

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

Table 4-14 ContainingEquipmentMismatch

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

Table 4-15 ContainingEquipmentOperationallyDown

Alarm	Attributes	Applicable major NE releases
Name: ContainingEquipmentOperationallyDown (465) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentDown (329)	<ul style="list-style-type: none"> 5.0
Description: The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentOperationallyDown.		
Raising condition: (('Status' EQUAL 'Parent Oper Down') AND ('isTerminatable' EQUAL 'true'))		
Clearing condition: (('Status' NOT EQUAL 'Parent Oper Down') OR ('isTerminatable' NOT EQUAL 'true'))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: The operational state of the equipment element indicated in the alarm is down. This may be due to the element's administrative state or it may indicate that the element has failed.		

(2 of 2)

Table 4-16 CorruptImageFile

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

Table 4-17 DiskTemperatureLowerThresholdAlarm

Alarm	Attributes	Applicable major NE releases
Name: DiskTemperatureLowerThresholdAlarm (3716) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Disk	Severity: variable Implicitly cleared: true Default probable cause: DiskTemperatureLow (1454)	<ul style="list-style-type: none"> 5.0
Description: The alarm is raised when the disk temperature decreases below a lower threshold.		
Raising condition: ('Temperature Threshold State' EQUAL 'Lower Critical')		
Clearing condition: ('Temperature Threshold State' EQUAL 'Unspecified')		
Remedial action: Informational - no corrective action required.		

Table 4-18 DiskTemperatureUpperThresholdAlarm

Alarm	Attributes	Applicable major NE releases
Name: DiskTemperatureUpperThresholdAlarm (3717) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Disk	Severity: variable Implicitly cleared: true Default probable cause: DiskTemperatureHigh (1455)	<ul style="list-style-type: none"> 5.0
Description: The alarm is raised when the disk temperature increases above an upper threshold.		
Raising condition: ('Temperature Threshold State' EQUAL 'Upper Critical')		
Clearing condition: ('Temperature Threshold State' EQUAL 'Unspecified')		
Remedial action: Check the site cooling mechanism. If the alarm persists, replace the disk.		

Table 4-19 DiskVoltageLowerThresholdAlarm

Alarm	Attributes	Applicable major NE releases
Name: DiskVoltageLowerThresholdAlarm (3718) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Disk	Severity: variable Implicitly cleared: true Default probable cause: DiskVoltageLow (1456)	<ul style="list-style-type: none"> 5.0
Description: The alarm is raised when the disk voltage level decreases below a lower threshold.		
Raising condition: ('Voltage Threshold State' EQUAL 'Lower Critical')		
Clearing condition: ('Voltage Threshold State' EQUAL 'Unspecified')		
Remedial action: Monitor. If the alarm persists and the disk is in the active state, it should be replaced.		

Table 4-20 DiskVoltageUpperThresholdAlarm

Alarm	Attributes	Applicable major NE releases
Name: DiskVoltageUpperThresholdAlarm (3719) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Disk	Severity: variable Implicitly cleared: true Default probable cause: DiskVoltageHigh (1457)	<ul style="list-style-type: none"> 5.0
Description: The alarm is raised when the disk voltage level increases above an upper threshold.		
Raising condition: ('Voltage Threshold State' EQUAL 'Upper Critical')		
Clearing condition: ('Voltage Threshold State' EQUAL 'Unspecified')		
Remedial action: Monitor. If the alarm persists and the disk is in the active state, it should be replaced.		

Table 4-21 downgradedCardAlarm

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

Table 4-22 DscServiceContainerDown

Alarm	Attributes	Applicable major NE releases
Name: DscServiceContainerDown (845) Type: EpcAlarm (59) Package: Ite Raised on class: Ite.ServiceContainer	Severity: major Implicitly cleared: true Default probable cause: DscServiceDown (603)	<ul style="list-style-type: none"> 5.0
Description: The alarm is raised when a DSC service container is down.		
Raising condition: (('Operational State' EQUAL 'Disabled'))		
Clearing condition: (('Operational State' EQUAL 'Enabled'))		
Remedial action: Investigate /opt/tpa/logs/RACServer.log on the CSB to determine cause of service container failure.		

Table 4-23 DscServiceDown

Alarm	Attributes	Applicable major NE releases
Name: DscServiceDown (846) Type: EpcAlarm (59) Package: Ite Raised on class: Ite.AbstractDynamicServicesControllerMember	Severity: major Implicitly cleared: true Default probable cause: DscServiceDown (603)	<ul style="list-style-type: none"> 5.0
Description: The alarm is raised when a DSC service member is down.		
Raising condition: (('Operational State' EQUAL 'Disabled'))		
Clearing condition: (('Operational State' EQUAL 'Enabled'))		
Remedial action: Investigate /opt/tpa/logs/RACServer.log on the CSB to determine cause of service failure.		

Table 4-24 EquipmentAdministrativelyDown

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

Table 4-25 EquipmentDegraded

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

Table 4-26 EquipmentDown

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

Table 4-27 EquipmentFailure

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

Table 4-28 EquipmentInTest

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

Table 4-29 EquipmentMismatch

Alarm	Attributes	Applicable major NE releases
Name: EquipmentMismatch (9) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: equipmentTypeMismatch (7)	<ul style="list-style-type: none"> 5.0
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMismatch.		
Raising condition: ('compositeEquipmentState' EQUAL 'Type Mismatch')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Type Mismatch')		

(1 of 2)

4 – Alcatel-Lucent 5780 DSC alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

(2 of 2)

Table 4-30 EquipmentRemoved

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

Table 4-31 FanFailure

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

Table 4-32 FanTrayRemoved

Alarm	Attributes	Applicable major NE releases
Name: FanTrayRemoved (569) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: FanTrayRemoved (438)	<ul style="list-style-type: none"> 5.0
Description: The alarm is raised when the deviceState attribute has a value of deviceNotEquipped.		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Raising condition: ('Device State' EQUAL 'Not Equipped')		
Clearing condition: ('Device State' NOT EQUAL 'Not Equipped')		
Remedial action: Informational - a fan tray has been removed from the NE.		

(2 of 2)

Table 4-33 FrameSizeProblem (netw)

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

Table 4-34 GaPeerDown

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

4 — Alcatel-Lucent 5780 DSC alarms

Table 4-35 IncompleteConfiguration

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

Table 4-36 LicensedLimitExceeded

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

Table 4-37 LinkDown

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

Table 4-38 LowTemperatureDetected

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

Table 4-39 MobileConnectorDown

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

Table 4-40 NeManagementAndTrapManagementMismatch

Alarm	Attributes	Applicable major NE releases
Name: NeManagementAndTrapManagementMismatch (1079) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: neManagementChange (817)	<ul style="list-style-type: none"> 5.0
Description: This user-defined alarm is raised when the NE configuration is one of the following: - The Active Management IP is set to Out Of Band, and the Primary Route Preference is set to In Band. - The Active Management IP is set to In Band, and the Primary Route Preference is set to Out of Band.		

(1 of 2)

4 — Alcatel-Lucent 5780 DSC alarms

Alarm	Attributes	Applicable major NE releases
Raising condition: (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only')) AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only')) AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'Out Of Band'))))		
Clearing condition: (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only')) AND ('Primary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only')) AND ('Primary Route Preference' EQUAL 'Out Of Band'))))		
Remedial action: A configuration error has been made which must be corrected. The parameters described in the description for this alarm must match.		

(2 of 2)

Table 4-41 NewSsh2ServerKeyDetected

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

Table 4-42 NodeDatabaseFallbackDetected

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

Table 4-43 NodeDatabaseMisalignmentDetected

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

Table 4-44 NodeRebooted

Alarm	Attributes	Applicable major NE releases
Name: NodeRebooted (32) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: false Default probable cause: nodeReboot (25)	<ul style="list-style-type: none"> 4.0 5.0
Description: The alarm is raised when the 5620 SAM detects an NE reboot based on the latest NE sysUpTime value.		
Remedial action: Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 4-45 NodeSuspended

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

Table 4-46 OrphanNodeDetected

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

Table 4-47 OverloadedCard

Alarm	Attributes	Applicable major NE releases
Name: OverloadedCard (2941) Type: cardAlarm (100) Package: equipment Raised on class: equipment.AtcaCard	Severity: variable Implicitly cleared: true Default probable cause: overloadedCard (1132)	<ul style="list-style-type: none"> 5.0
Description: The alarm is raised when an ATCA card becomes overloaded.		
Raising condition: ('Overload State' EQUAL 'Critical')		
Clearing condition: ('Overload State' EQUAL 'Normal')		
Remedial action: Investigate /opt/tpa/logs/RACServer.log on the CSB to determine cause of system overload.		

Table 4-48 OverTemperatureDetected

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

Table 4-49 PartialResyncProblem

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

Table 4-50 PersistentIndexParametersMisconfigured

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

Table 4-51 PollerProblem

Alarm	Attributes	Applicable major NE releases
Name: PollerProblem (31) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: resyncFailed (24)	<ul style="list-style-type: none"> 5.0
Description: The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		

(1 of 2)

4 — Alcatel-Lucent 5780 DSC alarms

Alarm	Attributes	Applicable major NE releases
Raising condition: ('Resync Status' EQUAL 'Full Resync Failed')		
Clearing condition: ('Resync Status' EQUAL 'Full Resync Done')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

(2 of 2)

Table 4-52 PrimaryImageBootFailure

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

Table 4-53 RadiusOperStatusDown

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

Table 4-54 ReachabilityProblem

Alarm	Attributes	Applicable major NE releases
Name: ReachabilityProblem (243) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ReachabilityTestFailed (176)	<ul style="list-style-type: none"> 5.0
Description: The alarm is raised when an Mediation poll of the SysUpTimeAlarm object on an NE fails, for example, because of network congestion or because the NE is too busy to respond. The probable cause is an unreachable NE Mediation agent on the NE. By default, the 5620 SAM polls a managed NE every two minutes. If a poll fails, the alarm is raised. The 5620 SAM polls the NE two minutes after the first failure. If successive polls fail, the 5620 SAM raises the polling interval for the NE by two minutes after each failure to a maximum of 12 min. The polling interval remains at 12 min until the 5620 SAM receives a response from the NE. The alarm clears when the 5620 SAM receives a response from the NE, and the 5620 SAM GUI icon that represents the NE turns from red to green.		
Raising condition: ('SNMP Reachability' EQUAL 'Down')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 4-55 ReconfigFailure

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

Table 4-56 SaveConfigFailed

Alarm	Attributes	Applicable major NE releases
Name: SaveConfigFailed (105) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileAccessError (90)	<ul style="list-style-type: none"> 5.0
Description: The alarm is raised when the admin save command on an NE fails.		
Raising condition: ('Config Save State' EQUAL 'Failure')		
Clearing condition: ('Config Save State' EQUAL 'Success')		

(1 of 2)

4 — Alcatel-Lucent 5780 DSC alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: Attempt the admin save command a second time. If the problem persists please contact Alcatel-Lucent support for assistance.		

(2 of 2)

Table 4-57 ScheduledPollerProblem

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

Table 4-58 StatsRetrieveFailed

Alarm	Attributes	Applicable major NE releases
Name: StatsRetrieveFailed (244) Type: configurationAlarm (11) Package: sw Raised on class: sw.AccountingStatsRetrievalManager	Severity: major Implicitly cleared: false Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> 5.0
Description: The alarm is raised when the 5620 SAM main or auxiliary server cannot transfer an accounting file from an NE.		
Raising condition: (('Stats Retrieval State' NOT EQUAL 'Success') AND ('Stats Retrieval State' NOT EQUAL 'Not Attempted'))		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy or otherwise cannot respond to the 5620 SAM main or auxiliary server.		

Table 4-59 SubscriberSystemNextHopUsageHigh

Alarm	Attributes	Applicable major NE releases
Name: SubscriberSystemNextHopUsageHigh (5157) Type: thresholdCrossed (6) Package: netw Raised on class: netw.NetworkElement	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> 5.0
Description: The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit.		
Raising condition: ('IP Next Hop Usage High' EQUAL 'true')		
Clearing condition: ('IP Next Hop Usage High' EQUAL 'false')		
Remedial action: The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit. There is no immediate effect, but when the usage actually hits the limit, new hosts will not get their managed routes.		

Table 4-60 TrapDestinationMisconfigured

Alarm	Attributes	Applicable major NE releases
Name: TrapDestinationMisconfigured (33) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: trapDestinationMisconfigured (26) Applicable probable causes: <ul style="list-style-type: none"> trapDestinationMisconfigured duplicateTrapLogId 	<ul style="list-style-type: none"> 5.0
Description: The alarm is raised when the 5620 SAM cannot be added to the NE's SNMP trap destinations.		
Raising condition: ('isTrapDestinationMisconfigured' EQUAL 'true')		
Clearing condition: ('isTrapDestinationMisconfigured' EQUAL 'false')		
Remedial action: A configuration error has been made which must be corrected. The SNMP trap destination on the NE must be configured to the IP address of the SAM server.		

Table 4-61 TrapReceivingFailure

Alarm	Attributes	Applicable major NE releases
Name: TrapReceivingFailure (1083) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: false Default probable cause: trapsWillNotBeSent (822)	<ul style="list-style-type: none"> 5.0

(1 of 2)

4 — Alcatel-Lucent 5780 DSC alarms

Alarm	Attributes	Applicable major NE releases
Description: This user-defined alarm is raised when the NE is unable to send traps because the NE configuration is one of the following: <ul style="list-style-type: none"> - The Management IP Selection is set to Out Of Band Only, the Primary Route Preference is set to In Band, and the Secondary Route Preference is set to None. - The Management IP Selection is set to In Band Only, the Primary Route Preference is set to Out Of Band, and the Secondary Route Preference is set to None. 		
Raising condition: (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
Clearing condition: (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND (('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND (('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND (('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND (('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND (('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND (('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band'))))		
Remedial action: A configuration error has been made which must be corrected. The configuration error must be corrected per the discussion in the description for this alarm.		

(2 of 2)

Table 4-62 TrapRoutePreferenceRedundancyMissing

Alarm	Attributes	Applicable major NE releases
Name: TrapRoutePreferenceRedundancyMissing (1084) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: trapsRedundancyMissing (823)	<ul style="list-style-type: none"> 5.0
Description: The user-defined alarm is raised when NE management redundancy is configured without trap route preference redundancy.		
Raising condition: (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
Clearing condition: (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Secondary Route Preference' NOT EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Secondary Route Preference' NOT EQUAL 'None'))))		
Remedial action: A configuration error has been made which must be corrected. The IP address of the standby SAM server must be configured on the NE in question.		

Table 4-63 UnidentifiedNode

Alarm	Attributes	Applicable major NE releases
Name: UnidentifiedNode (1922) Type: communicationsAlarm (4) Package: netw Raised on class: netw.DiscoveredNode	Severity: major Implicitly cleared: true Default probable cause: unidentifiedNode (922)	<ul style="list-style-type: none"> 5.0
Description: The alarm is raised when the node being discovered can not be properly identified.		
Raising condition: ('State' EQUAL 'Pending Identification')		
Clearing condition: ('State' NOT EQUAL 'Pending Identification')		
Remedial action: A configuration error has occurred that must be corrected. The eNodeB does not have a system name. The name can be configured by selecting the alarm, opening the associated properties form for the alarmed object and configuring the system name.		

Table 4-64 UnmanageFailed

Alarm	Attributes	Applicable major NE releases
Name: UnmanageFailed (300) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.NodeDiscoveryControl	Severity: warning Implicitly cleared: true Default probable cause: unableToDeleteNode (231)	<ul style="list-style-type: none"> 5.0
Description: The alarm is raised when an attempt to unmanage an NE fails.		
Raising condition: ('Site State' EQUAL 'unmanage failed')		
Clearing condition: ('Site State' NOT EQUAL 'unmanage failed')		
Remedial action: Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 4-65 unsupportedPortUsage

Alarm	Attributes	Applicable major NE releases
Name: unsupportedPortUsage (5184) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: warning Implicitly cleared: true Default probable cause: incompatiblePortUsage (2100)	<ul style="list-style-type: none"> 5.0
Description: The alarm is raised in case unsupported port type is configured		
Raising condition: (('portId' >= '1L') AND ('portId' <= '4L') AND ('specificCardType' EQUAL 'EASv2') AND (('Port Usage' EQUAL 'MPT-HC') OR ('Port Usage' EQUAL 'MPT-MC')))"		
Clearing condition: NOT (((('portId' >= '1L') AND ('portId' <= '4L') AND ('specificCardType' EQUAL 'EASv2') AND (('Port Usage' EQUAL 'MPT-HC') OR ('Port Usage' EQUAL 'MPT-MC')))))"		
Remedial action: This alarm indicates unsupported port usage. Port usage configured on the NE is not supported by SAM.		

Table 4-66 UpgradedBuildVersionMismatch

Alarm	Attributes	Applicable major NE releases
Name: UpgradedBuildVersionMismatch (174) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: upgradedImageNotBooted (137)	<ul style="list-style-type: none"> 5.0
Description: The alarm is raised when the software version that an NE reports after a software upgrade does not match the version of the software used for the upgrade.		
Raising condition: ('upgradedBuildVersionMismatch' EQUAL 'true')		
Clearing condition: ('upgradedBuildVersionMismatch' EQUAL 'false')		
Remedial action: Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 4-67 upgradedCardAlarm

Alarm	Attributes	Applicable major NE releases
Name: upgradedCardAlarm (255) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: upgradedCard (194)	<ul style="list-style-type: none"> 5.0
Description: The alarm is raised when the standby CPM is rebooted and operational after a software upgrade. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
Raising condition: ('operationalState' EQUAL 'Upgrade')		
Clearing condition: ('operationalState' EQUAL 'Up')		
Remedial action: Informational - no corrective action required.		

Table 4-68 VersionConfigRestoreFailed

Alarm	Attributes	Applicable major NE releases
Name: VersionConfigRestoreFailed (536) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: versionMismatch (405)	<ul style="list-style-type: none"> 5.0
Description: The alarm is raised when the restore procedure on an NE fails because of a mismatch between the backup file set version and the NE software version.		
Raising condition: ('lastNmsVersionRestoreState' EQUAL 'Failure')		
Clearing condition: ('lastNmsVersionRestoreState' EQUAL 'Success')		
Remedial action: The backup files being restored do not match with the version of node software release. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

Table 4-69 WrongCpaaSoftwareVersion

Alarm	Attributes	Applicable major NE releases
Name: WrongCpaaSoftwareVersion (791) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: wrongCpaaSoftwareVersion (559)	<ul style="list-style-type: none"> 5.0
Description: The alarm is raised when the 7701 CPAA software is the wrong version and requires an upgrade.		
Raising condition: (('Software Version' EQUAL 'TiMOS-B-3.0.Generic') AND ('Chassis Type' EQUAL '7701 CPAA'))		
Clearing condition: (('Software Version' NOT EQUAL 'TiMOS-B-3.0.Generic') AND ('Chassis Type' EQUAL '7701 CPAA'))		
Remedial action: The SW version of the CPAA must be upgraded to the version compatible with CPAM version.		

5 — Alcatel-Lucent 7210 SAS D alarms



Note — Some alarms that the 5620 SAM can raise against this device may not be listed in this chapter. Associating alarms with specific NE types is an ongoing Alcatel-Lucent effort. If the 5620 SAM raises an alarm against this device type, and the alarm is not described in this chapter, see chapter 35 for information about the alarm.

Table 5-1 AccessInterfaceDown

Alarm	Attributes	Applicable major NE releases
Name: AccessInterfaceDown (249) Type: AccessInterfaceAlarm (32) Package: service Raised on class: service.AccessInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when an L2 or L3 interface operational state is Down. The alarm is not raised against an L2 access interface that is associated with an MC ring or MC LAG in the standby state.		
Raising condition: (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'Standby For MC-Ring') AND ('State Cause' NOT EQUAL 'Standby For MC-Lag') AND ('State Cause' NOT EQUAL 'Standby For BGP Multi-homing'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'Standby For MC-Ring') OR ('State Cause' EQUAL 'Standby For MC-Lag') OR ('State Cause' EQUAL 'Standby For BGP Multi-homing'))		
Remedial action: The condition exists because the physical interface is down either because it is administratively disabled, faulty or a cabling fault has occurred. Ensure that the interface is administratively up. Check for a poor cable connection to the port or for a faulty cable/fiber. If neither appears to be the problem run diagnostics on the port to determine if it is faulty.		

Table 5-2 ActiveAbnormalCondition

Alarm	Attributes	Applicable major NE releases
Name: ActiveAbnormalCondition (3938) Type: activeAbnormalConditionAlarm (116) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ActiveAbnormalConditionState (1520)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is an indication for abnormal condition on NE.		
Raising condition: ('abnormalCondition' EQUAL 'true')		
Clearing condition: ('abnormalCondition' EQUAL 'false')		
Remedial action: This alarm is raised when there is a abnormal state indication on NE.		

Table 5-3 AGWDiameterPeerDown

Alarm	Attributes	Applicable major NE releases
Name: AGWDiameterPeerDown (844) Type: EpcAlarm (59) Package: lte Raised on class: lte.AGWDiameterPeer	Severity: variable Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the path management state of a Diameter peer changes to a state other than Up.		
Raising condition: ('Path Diameter Management State' NOT EQUAL 'Active')		
Clearing condition: ('Path Diameter Management State' EQUAL 'Active')		
Remedial action: A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

Table 5-4 AncillaryPathLimitReached

Alarm	Attributes	Applicable major NE releases
Name: AncillaryPathLimitReached (459) Type: resourceAlarm (28) Package: equipment Raised on class: equipment.DaughterCard	Severity: warning Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the Ingress Multicast Path Management ancillary path bandwidth limit is reached.		
Raising condition: (('Ancillary Path Limit Override' > '0') AND ('Ancillary Path In use' >= (1000 * 'Ancillary Path Limit Override'))"		
Clearing condition: (('Ancillary Path Limit Override' > '0') AND ('Ancillary Path In use' < (1000 * 'Ancillary Path Limit Override'))"		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: Informational - The alarm is raised when the Ingress Multicast Path Management ancillary path bandwidth limit is reached. This can be remedied by modifying the ancillary path limit located at T1 Paths tab of the multicast bandwidth policy which assigned to the card, or increase the ancillary path limit override located at the Daughter Card tab under Daughter Card Slot form.		

(2 of 2)

Table 5-5 AtcaFanFailure

Alarm	Attributes	Applicable major NE releases
Name: AtcaFanFailure (1124) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Fan	Severity: critical Implicitly cleared: true Default probable cause: fanFailure (116)	<ul style="list-style-type: none"> • 5.0.0 • 6.0.0
Description: The alarm is raised when the associated fan is not operationally Up.		
Raising condition: (('operationalState' EQUAL 'Disabled') OR ('operationalState' EQUAL 'Down'))		
Clearing condition: (('operationalState' EQUAL 'Enabled') OR ('operationalState' EQUAL 'Up'))		
Remedial action: This alarm is raised if the fan speed falls below 500 rpm. If the alarm persists, replace the appropriate (upper or lower) fan tray.		

Table 5-6 AuxiliaryServerStatus

Alarm	Attributes	Applicable major NE releases
Name: AuxiliaryServerStatus (311) Type: communicationsAlarm (4) Package: server Raised on class: server.AuxiliaryServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a 5620 SAM main server cannot communicate with an auxiliary server. The alarm clears when communication is restored.		
Raising condition: ('Server Status' EQUAL 'Down')		
Clearing condition: ('Server Status' EQUAL 'Up')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the AUX and SAM servers is unreliable.		

Table 5-7 BITS2NotQualified

Alarm	Attributes	Applicable major NE releases
Name: BITS2NotQualified (1941) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: timingReferenceNotQualified (418)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the BITS-2 timing reference on an NE is not in the Qualified state.		
Raising condition: (('Qualified For Use' EQUAL 'Not Qualified') AND ('Input Administrative State' NOT EQUAL 'Down'))		
Clearing condition: (('Qualified For Use' NOT EQUAL 'Not Qualified') OR ('Input Administrative State' EQUAL 'Down'))		
Remedial action: Make sure that BITS2 is qualified		

Table 5-8 BITSNotQualified

Alarm	Attributes	Applicable major NE releases
Name: BITSNotQualified (547) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: timingReferenceNotQualified (418)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the BITS timing reference on an NE is not in the Qualified state.		
Raising condition: (('Qualified For Use' EQUAL 'Not Qualified') AND ('Output Administrative State' NOT EQUAL 'Down'))		
Clearing condition: (('Qualified For Use' NOT EQUAL 'Not Qualified') OR ('Output Administrative State' EQUAL 'Down'))		
Remedial action: Make sure that BITS is qualified		

Table 5-9 BITSReferenceLossOfSignal

Alarm	Attributes	Applicable major NE releases
Name: BITSReferenceLossOfSignal (1950) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: BITSReferenceLossOfSignal (938)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the BITS reference on an NE is not qualified due to Loss of Signal.		
Raising condition: (('Not Qualified Due To anyBit'LOS'))		
Clearing condition: NOT (('Not Qualified Due To anyBit'LOS'))		
Remedial action: Make sure that peer connected to BITS is properly configured.		

Table 5-10 BITSReferenceOutOfFrequency

Alarm	Attributes	Applicable major NE releases
Name: BITSReferenceOutOfFrequency (1951) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: BITSReferenceOutOfFrequency (939)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the BITS Reference on an NE is not qualified due to Out of frequency.		
Raising condition: (('Not Qualified Due To'anyBit'OOF'))		
Clearing condition: NOT (('Not Qualified Due To'anyBit'OOF'))		
Remedial action: Make sure that frequency configured for BITS is correct.		

Table 5-11 BITSReferenceOutOfPollInRange

Alarm	Attributes	Applicable major NE releases
Name: BITSReferenceOutOfPollInRange (1952) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: BITSReferenceOutOfPollInRange (940)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the BITS Reference on an NE is not qualified state due to Out of poll in range.		
Raising condition: (('Not Qualified Due To'anyBit'OOPIR'))		
Clearing condition: NOT (('Not Qualified Due To'anyBit'OOPIR'))		
Remedial action: Check the BITS is configured correctly. Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary		

Table 5-12 BootableConfigBackupFailed

Alarm	Attributes	Applicable major NE releases
Name: BootableConfigBackupFailed (103) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the 5620 SAM fails to back up a set of NE configuration files.		
Raising condition: ('Backup State' EQUAL 'Failure')		
Clearing condition: ('Backup State' EQUAL 'Success')		
Remedial action: Investigation is required to resolve the following possible scenarios: insufficient disk space is available to accommodate the NE configuration files (additional SAM platform alarms will accompany this alarm); the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

5 — Alcatel-Lucent 7210 SAS D alarms

Table 5-13 BootableConfigRestoreFailed

Alarm	Attributes	Applicable major NE releases
Name: BootableConfigRestoreFailed (104) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the 5620 SAM fails to restore a set of NE configuration files.		
Raising condition: ('Restore State' EQUAL 'Failure')		
Clearing condition: ('Restore State' EQUAL 'Success')		
Remedial action: Investigation is required to resolve the following possible scenarios: the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

Table 5-14 BootParametersMisconfigured

Alarm	Attributes	Applicable major NE releases
Name: BootParametersMisconfigured (35) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: persistentIndexFailure (30) Applicable probable causes: <ul style="list-style-type: none"> • persistentIndexFailure • configFileBootFailure 	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the SNMP Index Boot Status on an NE is not set to Persistent.		
Raising condition: (('isGenericNode' EQUAL 'false') AND ('State' NOT EQUAL 'Pre-provisioned') AND (('Config File Status' NOT EQUAL 'Executed Successfully') OR ('Persistent Index Status' NOT EQUAL 'Rebuild Succeeded')))		
Clearing condition: (('Config File Status' EQUAL 'Executed Successfully') AND ('Persistent Index Status' EQUAL 'Rebuild Succeeded'))		
Remedial action: Ensure that "SNMP Index Boot Status" is persistent (using cli command "show system information" on the NE). If not, unmanage the network element from SAM, ensure that "persist on" is set in the bof file, save the bof, save a config file, verify that an index file (.ndx) is saved as well, reboot the router, verify that SNMP Index Boot Status is persistent and finally remanage the router from SAM.		

Table 5-15 ClientDelegateServerStatus

Alarm	Attributes	Applicable major NE releases
Name: ClientDelegateServerStatus (731) Type: communicationsAlarm (4) Package: server Raised on class: server.ClientDelegateServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a client delegate server is unreachable.		
Raising condition: ('Server Status' EQUAL 'Down')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: ('Server Status' EQUAL 'Up')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the client delegate platform and SAM servers is unreliable or the client delegate server itself is unreliable.		

(2 of 2)

Table 5-16 ContainingEquipmentAdministrativelyDown

Alarm	Attributes	Applicable major NE releases
Name: ContainingEquipmentAdministrativelyDown (466) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: minor Implicitly cleared: true Default probable cause: containingEquipmentAdministrativelyDown (330)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentAdministrativelyDown.		
Raising condition: (('Status' EQUAL 'Parent Admin Down') AND ('isTerminatable' EQUAL 'true'))		
Clearing condition: (('Status' NOT EQUAL 'Parent Admin Down') OR ('isTerminatable' NOT EQUAL 'true'))		
Remedial action: Informational - no corrective action required.		

Table 5-17 ContainingEquipmentMismatch

Alarm	Attributes	Applicable major NE releases
Name: ContainingEquipmentMismatch (464) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentMismatch (328)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentMismatch.		
Raising condition: (('Status' EQUAL 'Parent Type Mismatch') AND ('isTerminatable' EQUAL 'true'))		
Clearing condition: (('Status' NOT EQUAL 'Parent Type Mismatch') OR ('isTerminatable' NOT EQUAL 'true'))		
Remedial action: A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

Table 5-18 ContainingEquipmentOperationallyDown

Alarm	Attributes	Applicable major NE releases
Name: ContainingEquipmentOperationallyDown (465) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentDown (329)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentOperationallyDown.		
Raising condition: (('Status' EQUAL 'Parent Oper Down') AND ('isTerminatable' EQUAL 'true'))		
Clearing condition: (('Status' NOT EQUAL 'Parent Oper Down') OR ('isTerminatable' NOT EQUAL 'true'))		
Remedial action: The operational state of the equipment element indicated in the alarm is down. This may be due to the element's administrative state or it may indicate that the element has failed.		

Table 5-19 CorruptImageFile

Alarm	Attributes	Applicable major NE releases
Name: CorruptImageFile (171) Type: configurationAlarm (11) Package: mediation Raised on class: mediation.AbstractSoftwareFolderDescriptor	Severity: critical Implicitly cleared: true Default probable cause: invalidOrCorruptImageFile (134)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when one or more files in the 5620 SAM software image specified for a device software upgrade is invalid, corrupt or absent. The 5620 SAM validates a device software file set before it imports the file set and distributes it to an NE. Ensure that the file set downloads properly to the NE and is not tampered with before you re-attempt the upgrade. The alarm clears when a valid file set is on the NE and the 5620 SAM activates the software image in the file set.		
Raising condition: ('isImageValid' EQUAL 'false')		
Clearing condition: ('isImageValid' EQUAL 'true')		
Remedial action: The existing SW image in the SAM database should be replaced with an image that is known to be complete and valid.		

Table 5-20 DDMAux1HighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMAux1HighAlarm (495) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: aux1HighAlarm (381)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the manufacturer-specific Auxiliary 1 of the XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux1 High Alarm')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: NOT (('failedThresholds'anyBit'Aux1 High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

(2 of 2)

Table 5-21 DDMAux1HighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMAux1HighWarning (494) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: aux1HighWarning (380)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the manufacturer-specific Auxiliary 1 of the XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux1 High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux1 High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 5-22 DDMAux1LowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMAux1LowAlarm (493) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: aux1LowAlarm (379)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the manufacturer-specific Auxiliary 1 of the XFP reaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux1 Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux1 Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 5-23 DDMAux1LowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMAux1LowWarning (492) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: aux1LowWarning (378)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0

(1 of 2)

5 — Alcatel-Lucent 7210 SAS D alarms

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when the manufacturer-specific Auxiliary 1 of the XFP approaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux1 Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux1 Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

(2 of 2)

Table 5-24 DDMAux2HighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMAux2HighAlarm (499) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: aux2HighAlarm (385)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the manufacturer-specific Auxiliary 2 of the XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux2 High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux2 High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 5-25 DDMAux2HighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMAux2HighWarning (498) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: aux2HighWarning (384)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the manufacturer-specific Auxiliary 2 of the XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux2 High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux2 High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 5-26 DDMAux2LowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMAux2LowAlarm (497) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: aux2LowAlarm (383)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the manufacturer-specific Auxiliary 2 of the XFP reaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux2 Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux2 Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 5-27 DDMAux2LowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMAux2LowWarning (496) Type: communicationthresholdAlarmnsAlarm (50) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: aux2LowWarning (382)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the manufacturer-specific Auxiliary 2 of the XFP approaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux2 Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux2 Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 5-28 DDMRxOpticalPowerHighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMRxOpticalPowerHighAlarm (491) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: rxOpticalPowerHighAlarm (377)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the received optical power of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Rx Optical Power High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Rx Optical Power High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 5-29 DDMRxOpticalPowerHighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMRxOpticalPowerHighWarning (490) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: rxOpticalPowerHighWarning (376)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the received optical power of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBitRx Optical Power High Warning')		
Clearing condition: NOT (('failedThresholds'anyBitRx Optical Power High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 5-30 DDMRxOpticalPowerLowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMRxOpticalPowerLowAlarm (489) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: rxOpticalPowerLowAlarm (375)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the received optical power of an SFP or XFP reaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBitRx Optical Power Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBitRx Optical Power Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 5-31 DDMRxOpticalPowerLowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMRxOpticalPowerLowWarning (488) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: rxOpticalPowerLowWarning (374)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the received optical power of an SFP or XFP approaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBitRx Optical Power Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBitRx Optical Power Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 5-32 DDMSupplyVoltageHighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMSupplyVoltageHighAlarm (479) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: supplyVoltageHighAlarm (365)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the supply voltage of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Supply Voltage High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Supply Voltage High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 5-33 DDMSupplyVoltageHighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMSupplyVoltageHighWarning (478) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: supplyVoltageHighWarning (364)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the supply voltage of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Supply Voltage High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Supply Voltage High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 5-34 DDMSupplyVoltageLowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMSupplyVoltageLowAlarm (477) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: supplyVoltageLowAlarm (363)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the supply voltage of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Supply Voltage Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Supply Voltage Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 5-35 DDMSupplyVoltageLowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMSupplyVoltageLowWarning (476) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: supplyVoltageLowWarning (362)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the supply voltage of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Supply Voltage Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Supply Voltage Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 5-36 DDMTemperatureHighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTemperatureHighAlarm (475) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: temperatureHighAlarm (361)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the temperature of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Temperature High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Temperature High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 5-37 DDMTemperatureHighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTemperatureHighWarning (474) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: temperatureHighWarning (360)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the temperature of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Temperature High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Temperature High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 5-38 DDMTemperatureLowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTemperatureLowAlarm (473) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: temperatureLowAlarm (359)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the temperature of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Temperature Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Temperature Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 5-39 DDMTemperatureLowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTemperatureLowWarning (472) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: temperatureLowWarning (358)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the temperature of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Temperature Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Temperature Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 5-40 DDMTxBiasCurrentHighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTxBiasCurrentHighAlarm (483) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: txBiasCurrentHighAlarm (369)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the transmit bias current of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Bias Current High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Bias Current High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 5-41 DDMTxBiasCurrentHighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTxBiasCurrentHighWarning (482) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: txBiasCurrentHighWarning (368)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the transmit bias current of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Bias Current High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Bias Current High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 5-42 DDMTxBiasCurrentLowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTxBiasCurrentLowAlarm (481) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: txBiasCurrentLowAlarm (367)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the transmit bias current of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Bias Current Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Bias Current Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 5-43 DDMTxBiasCurrentLowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTxBiasCurrentLowWarning (480) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: txBiasCurrentLowWarning (366)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the transmit bias current of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Bias Current Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Bias Current Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 5-44 DDMTxOutputPowerHighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTxOutputPowerHighAlarm (487) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: txOutputPowerHighAlarm (373)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the output power of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Output Power High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Output Power High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 5-45 DDMTxOutputPowerHighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTxOutputPowerHighWarning (486) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: txOutputPowerHighWarning (372)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the output power of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Output Power High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Output Power High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 5-46 DDMTxOutputPowerLowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTxOutputPowerLowAlarm (485) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: txOutputPowerLowAlarm (371)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the output power of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Output Power Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Output Power Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 5-47 DDMtxOutputPowerLowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMtxOutputPowerLowWarning (484) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: txOutputPowerLowWarning (370)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the output power of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Output Power Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Output Power Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 5-48 downgradedCardAlarm

Alarm	Attributes	Applicable major NE releases
Name: downgradedCardAlarm (256) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: downgradedCard (195)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when an IOM is not upgraded or reset after a device software upgrade of both CPMs. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
Raising condition: ('operationalState' EQUAL 'Downgrade')		
Clearing condition: ('operationalState' EQUAL 'Up')		
Remedial action: Informational - no corrective action required.		

Table 5-49 EfmOamAlarm

Alarm	Attributes	Applicable major NE releases
Name: EfmOamAlarm (4617) Type: equipmentAlarm (3) Package: ethernetEquipment Raised on class: ethernetEquipment.Dot3Oam	Severity: minor Implicitly cleared: true Default probable cause: EFMOAMOperationalStateOutOfService (1886)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when EFM Ignore status is Enabled, and Physical port Administrative State is Down.		
Raising condition: ('Ignore EFM State' EQUAL 'true')		
Clearing condition: ('Ignore EFM State' EQUAL 'true')		
Remedial action: The alarm is raised when EFM Ignore status is Enabled, and Physical port Administrative State is Down.		

Table 5-50 EquipmentAdministrativelyDown

Alarm	Attributes	Applicable major NE releases
Name: EquipmentAdministrativelyDown (455) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: minor Implicitly cleared: true Default probable cause: equipmentAdministrativelyDown (326)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentAdministrativelyDown.		
Raising condition: ('compositeEquipmentState' EQUAL 'Admin Down')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Admin Down')		
Remedial action: Informational - no corrective action required.		

Table 5-51 EquipmentDegraded

Alarm	Attributes	Applicable major NE releases
Name: EquipmentDegraded (604) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: minor Implicitly cleared: true Default probable cause: singleFanFailure (450)	<ul style="list-style-type: none"> • 5.0.0 • 6.0.0
Description: The alarm is raised when a single fan fails. The chassis attempts to continue operating within the normal temperature range using only the remaining fans.		
Raising condition: ('Device State' EQUAL 'MinorFailure')		
Clearing condition: ('Device State' NOT EQUAL 'MinorFailure')		
Remedial action: The failed fan unit should be replaced.		

Table 5-52 EquipmentDown

Alarm	Attributes	Applicable major NE releases
Name: EquipmentDown (10) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: inoperableEquipment (8)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentOperationallyDown.		
Raising condition: ('compositeEquipmentState' EQUAL 'Oper Down')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Oper Down')		
Remedial action: This alarm indicates that a card in the NE has failed. The card must be replaced.		

5 — Alcatel-Lucent 7210 SAS D alarms

Table 5-53 EquipmentFailure

Alarm	Attributes	Applicable major NE releases
Name: EquipmentFailure (145) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.ReplaceableUnit	Severity: critical Implicitly cleared: true Default probable cause: cardFailure (123)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a control processor or power-supply tray reports a failure. When the object type is ControlProcessor, a CPM may be unable to boot. When the object type is Power Supply Tray and the alarm is raised during device discovery, a power-supply tray may be out of service. When the object type is a Power Supply Tray and the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
Raising condition: ('operationalState' EQUAL 'Failed')		
Clearing condition: ('operationalState' NOT EQUAL 'Failed')		
Remedial action: If the alarm indicates that the CPM card has a fault, remove the card and reset it. If this does not clear the alarm then please contact Alcatel-Lucent support for assistance. If the alarm indicates that the Power Supply tray is out of service ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 5-54 EquipmentInTest

Alarm	Attributes	Applicable major NE releases
Name: EquipmentInTest (11) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: warning Implicitly cleared: true Default probable cause: equipmentInTest (9)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when equipment enters a diagnostic state.		
Raising condition: ('compositeEquipmentState' EQUAL 'In Test')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'In Test')		
Remedial action: Informational - no corrective action required.		

Table 5-55 EquipmentMismatch

Alarm	Attributes	Applicable major NE releases
Name: EquipmentMismatch (9) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: equipmentTypeMismatch (7)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMismatch.		
Raising condition: ('compositeEquipmentState' EQUAL 'Type Mismatch')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Type Mismatch')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

(2 of 2)

Table 5-56 EquipmentRemoved

Alarm	Attributes	Applicable major NE releases
Name: EquipmentRemoved (8) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: replaceableEquipmentRemoved (6)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMissing.		
Raising condition: (('compositeEquipmentState' EQUAL 'Removed') AND ('isEquipmentInserted' EQUAL 'true'))		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Removed')		
Remedial action: Informational - this alarm is raised when a card is removed.		

Table 5-57 EthernetPortConfiguredLoopback

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortConfiguredLoopback (801) Type: configurationAlarm (11) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: warning Implicitly cleared: true Default probable cause: ethernetPortConfiguredLoopback (567)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a timed loopback is in effect for an Ethernet port.		
Raising condition: (('Type' NOT EQUAL 'None'))		
Clearing condition: (('Type' EQUAL 'None'))		
Remedial action: This alarm has been raised by the node because "Timed Loopback" option of the specific port's Ethernet property has been enabled. To resolve this problem from "Ethernet" tab of "Physical Port" properties form configure "Timed Loopback" Type property as "None".		

5 — Alcatel-Lucent 7210 SAS D alarms

Table 5-58 EthernetPortDuplicateLane

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortDuplicateLane (3557) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: DuplicateLane (1387)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a device reports a Duplicate Lane on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 5-59 EthernetPortHighBer

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortHighBer (307) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a device reports a high bit-error rate on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))		
Remedial action: One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 5-60 EthernetPortLocalFault

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortLocalFault (305) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: LocalFault (236)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a device reports a local fault on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))))		
Remedial action: One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

(2 of 2)

Table 5-61 EthernetPortNoAmLock

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortNoAmLock (3558) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoAmLock (1388)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a device reports a No Am Lock on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 5-62 EthernetPortNoBlockLock

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortNoBlockLock (3559) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoBlockLock (1389)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a device reports a No Block Lock on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock'))))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 5-63 EthernetPortNoFrameLock

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortNoFrameLock (306) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoFrameLock (237)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a device reports No Frame Lock on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock'))		
Remedial action: One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 5-64 EthernetPortRemoteFault

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortRemoteFault (304) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: RemoteFault (235)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a device reports a remote fault on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault'))		
Remedial action: One of the following conditions exists on the remote physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 5-65 EthernetPortSignalFailure

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortSignalFailure (303) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: SignalFailure (234)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a device reports a signal failure on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))))		
Remedial action: One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

(2 of 2)

Table 5-66 ExternalTimingReferenceNotQualified

Alarm	Attributes	Applicable major NE releases
Name: ExternalTimingReferenceNotQualified (548) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: timingReferenceNotQualified (418)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the External timing reference on an NE is not in the Qualified state.		
Raising condition: (('Qualified For Use' EQUAL 'Not Qualified') AND ('Administrative State' NOT EQUAL 'Down'))		
Clearing condition: (('Qualified For Use' NOT EQUAL 'Not Qualified') OR ('Administrative State' EQUAL 'Down'))		
Remedial action: Informational		

Table 5-67 FanFailure

Alarm	Attributes	Applicable major NE releases
Name: FanFailure (624) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: fanFailure (116)	<ul style="list-style-type: none"> • 5.0.0 • 6.0.0
Description: The alarm is raised when the associated fan is not operationally Up.		
Raising condition: (('Device State' EQUAL 'Failed') OR ('Device State' EQUAL 'Unknown') OR ('Device State' EQUAL 'OutOfservice'))		
Clearing condition: ('Device State' EQUAL 'OK')		
Remedial action: Remove and reset the fan unit. If this does not resolve the problem replace the fan.		

Table 5-68 FanTrayRemoved

Alarm	Attributes	Applicable major NE releases
Name: FanTrayRemoved (569) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: FanTrayRemoved (438)	<ul style="list-style-type: none"> • 5.0.0 • 6.0.0
Description: The alarm is raised when the deviceState attribute has a value of deviceNotEquipped.		
Raising condition: ('Device State' EQUAL 'Not Equipped')		
Clearing condition: ('Device State' NOT EQUAL 'Not Equipped')		
Remedial action: Informational - a fan tray has been removed from the NE.		

Table 5-69 ForwardingTableSizeLimitReached

Alarm	Attributes	Applicable major NE releases
Name: ForwardingTableSizeLimitReached (164) Type: resourceAlarm (28) Package: I2fwd Raised on class: I2fwd.SiteFib	Severity: major Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the number of MAC address entries in the FIB reaches or exceeds the VPLS site high watermark specified by I2fwd.SiteFib.highWatermark. The alarm clears when the number of MAC address entries in the FIB drops below the VPLS site low watermark specified by I2fwd.SiteFib.lowWatermark. The alarm can be raised against a VPLS site, L2 access interface, or spoke SDP binding.		
Raising condition: (('Entries' >= 'Size') OR ('Entries' >= (('High Watermark' * 'Size') / 100.0)))		
Clearing condition: (('Entries' < 'Size') AND (('High Watermark' EQUAL '0L') OR ('Entries' < (('Low Watermark' * 'Size') / 100.0))) AND (('Low Watermark' EQUAL '0L') OR ('Entries' < (('Low Watermark' * 'Size') / 100.0)))		
Remedial action: Informational		

Table 5-70 FrameSizeProblem (netw)

Alarm	Attributes	Applicable major NE releases
Name: FrameSizeProblem (37) Type: configurationAlarm (11) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: frameSizeProblem (33)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a provisioned MTU size value is greater than the supported MTU size value.		
Raising condition: (('mtuMismatch' EQUAL 'true') AND ('portId' NOT EQUAL '0L'))		
Clearing condition: (('mtuMismatch' EQUAL 'false') OR ('portId' EQUAL '0L'))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: A configuration error has been made which must be corrected. The MTU value must be changed such that is less than or equal to the supported MTU size value.		

(2 of 2)

Table 5-71 GaPeerDown

Alarm	Attributes	Applicable major NE releases
Name: GaPeerDown (3303) Type: EpcAlarm (59) Package: Iteggnsn Raised on class: Iteggnsn.GaPeer	Severity: major Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the path management state of a Ga peer changes to a state other than Up.		
Raising condition: ('Path Management State' NOT EQUAL 'Active')		
Clearing condition: ('Path Management State' EQUAL 'Active')		
Remedial action: A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

Table 5-72 IncompleteConfiguration

Alarm	Attributes	Applicable major NE releases
Name: IncompleteConfiguration (1942) Type: operationalViolation (93) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: incompleteConfig (225)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a pre-provisioned NE has no objects configured beneath it.		
Raising condition: (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' EQUAL '\'))		
Clearing condition: (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' NOT EQUAL '\'))		
Remedial action: A configuration error has been made which must be corrected. The configuration of the pre-provisioned NE is incomplete. A work order was not associated with the pre-provisioned NE and as a consequence the attempt to auto-configure the NE failed.		

Table 5-73 InterfaceDown (netw)

Alarm	Attributes	Applicable major NE releases
Name: InterfaceDown (36) Type: InterfaceAlarm (13) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when an interface or underlying resource fails, as indicated by an interface compositeState attribute value of failed or underlyingResourceFailed.		
Raising condition: (('compositeState' EQUAL 'Inoperable') OR ('compositeState' EQUAL 'Underlying Resource Inoperable'))		
Clearing condition: (('compositeState' NOT EQUAL 'Inoperable') AND ('compositeState' NOT EQUAL 'Underlying Resource Inoperable'))		
Remedial action: A physical port (physical interface, LAG, channel) associated with the network interface in not operation. Ensure that the interface is cabled and that there isn't a configuration error (i.e. MTU size set incorrectly) on the interface. Once the issue w		

Table 5-74 InterfaceDown (vpls)

Alarm	Attributes	Applicable major NE releases
Name: InterfaceDown (36) Type: configurationAlarm (11) Package: vpls Raised on class: vpls.L2ManagementInterface	Severity: major Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when an L2 management interface has an Operational State of Down, and the associated VPLS site has an Administrative State of Up.		
Raising condition: (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
Clearing condition: (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
Remedial action: The condition exists because the physical interface is down either because it is administratively disabled, faulty or a cabling fault has occurred. Ensure that the interface is administratively up. Check for a poor cable connection to the port or for a faulty cable/fiber. If neither appears to be the problem run diagnostics on the port to determine if it is faulty.		

Table 5-75 LagDown

Alarm	Attributes	Applicable major NE releases
Name: LagDown (20) Type: equipmentAlarm (3) Package: lag Raised on class: lag.Interface	Severity: critical Implicitly cleared: true Default probable cause: lagDown (17)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when all ports in a LAG are operationally down.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		

(1 of 2)

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

(2 of 2)

Table 5-76 LagPortAddFailed

Alarm	Attributes	Applicable major NE releases
Name: LagPortAddFailed (422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: warning Implicitly cleared: true Default probable cause: linkDown (315)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the Lag Port Add function Fails.		
Raising condition: (('state' EQUAL 'Link Down') AND ('LAG ID' > '0'))		
Clearing condition: (('state' NOT EQUAL 'Link Down') OR ('LAG ID' EQUAL '0'))		
Remedial action: A configuration error has occurred which must be corrected. The link that was to be added to the LAG group may be of the wrong type (i.e. non ethernet) or the limit of the number of links supported in a LAG may have been reached.		

Table 5-77 LicensedLimitExceeded

Alarm	Attributes	Applicable major NE releases
Name: LicensedLimitExceeded (127) Type: licensingAlarm (23) Package: security Raised on class: security.ProductLicense	Severity: critical Implicitly cleared: true Default probable cause: licensedLimitExceeded (106)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the license items in the network exceeds 100 percent of the license capacity.		
Raising condition: ('Exceeded' EQUAL 'true')		
Clearing condition: ('Exceeded' NOT EQUAL 'true')		
Remedial action: Informational - The number of SAM licenses purchased and available on the SAM server is insufficient as compared to the number of NEs/MDA/Cells under management in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

Table 5-78 LinkDown

Alarm	Attributes	Applicable major NE releases
Name: LinkDown (12) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: portLinkProblem (10)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a port has no associated physical link or remote end point is operationally down.		
Raising condition: (('compositeEquipmentState' EQUAL 'Link Down') OR ('compositeEquipmentState' EQUAL 'Oper Down'))		
Clearing condition: (('compositeEquipmentState' NOT EQUAL 'Link Down') AND ('compositeEquipmentState' NOT EQUAL 'Oper Down'))		
Remedial action: Please make sure that port has physical link and remote end point is operationally up.		

Table 5-79 LowTemperatureDetected

Alarm	Attributes	Applicable major NE releases
Name: LowTemperatureDetected (1127) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOvercooled (838)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the chassis temperature falls below the minimum threshold.		
Raising condition: ('Low Temperature State' EQUAL 'Low')		
Clearing condition: ('Low Temperature State' NOT EQUAL 'Low')		
Remedial action: The NE has detected internal temperatures which are abnormally low. This may happen when the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 5-80 macMoveRateExceeded (service)

Alarm	Attributes	Applicable major NE releases
Name: macMoveRateExceeded (3690) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: minor Implicitly cleared: true Default probable cause: MacMoveRateExceeded (1429)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site.		
Raising condition: ('State Cause'anyBit'Relearn Limit Exceeded')		
Clearing condition: NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		
Remedial action: Informational.		

Table 5-81 macMoveRateExceededNonBlock (service)

Alarm	Attributes	Applicable major NE releases
Name: macMoveRateExceededNonBlock (4893) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: info Implicitly cleared: true Default probable cause: MacMoveRateExceededNonBlock (1951)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site when limitMacMove(sapTIsLimitMacMove) is set to 'nonBlocking'.		
Raising condition: ('State Cause'anyBit'Relearn Limit Exceeded')		
Clearing condition: NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		
Remedial action: Informational - User can adjust the value of 'MAC Move Maximum Rate' to reduce the frequency of this alarm.		

Table 5-82 MepAISReceivedAlarm

Alarm	Attributes	Applicable major NE releases
Name: MepAISReceivedAlarm (2945) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: variable Implicitly cleared: true Default probable cause: missingRemoteMep (388)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a MEP Receives AIS test frames from one or more of its sub-layer MEPs.		
Raising condition: (('AIS Received (AisRx)' EQUAL 'true') AND ('Facility VLAN ID' EQUAL '0'))		
Clearing condition: ('AIS Received (AisRx)' EQUAL 'false')		
Remedial action: This alarm indicates that it has received a MEP fault from a sub-layer MEP, user should investigate the fault cause on the sub-layer MEP and resolve this root cause issue.		

Table 5-83 MobileConnectorDown

Alarm	Attributes	Applicable major NE releases
Name: MobileConnectorDown (1064) Type: EpcAlarm (59) Package: Iteservice Raised on class: Iteservice.MobileServiceConnector	Severity: minor Implicitly cleared: true Default probable cause: EpcDown (519)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the 5620 SAM no longer manages the EPS path instance of this mobile service site. As a result, the service must be regenerated.		
Raising condition: ('EPS Path' EQUAL '\\"')'		
Clearing condition: ('EPS Path' NOT EQUAL '\\"')'		
Remedial action: The underlying transport network has gone down resulting in the deletion of a mobile service connector (EPS path). Correct the issue with the transport network and regenerate the mobile service connector by clicking on the re-calculate button on the mobile service properties form.		

Table 5-84 MvrConfiguredFromVplsNotExist

Alarm	Attributes	Applicable major NE releases
Name: MvrConfiguredFromVplsNotExist (219) Type: configurationAlarm (11) Package: vpls Raised on classes: <ul style="list-style-type: none"> vpls.L2AccessInterfaceMldMvrCfg vpls.L2AccessInterfaceMvrCfg 	Severity: warning Implicitly cleared: true Default probable cause: MvrConfiguredFromVplsNotExist (164)	<ul style="list-style-type: none"> 5.0.0 6.0.0
Description: The alarm is raised when an MVR source is an MVR VPLS that does not exist. The alarm clears when the MVR VPLS is created.		
Raising condition: ('fromVplsExists' EQUAL 'false')		
Clearing condition: (('fromVplsExists' EQUAL 'true') OR ('fromVplsId' EQUAL '0L'))		
Remedial action: Create the missing MVR VPLS.		

Table 5-85 MvrConfiguredProxySapNotExist

Alarm	Attributes	Applicable major NE releases
Name: MvrConfiguredProxySapNotExist (220) Type: configurationAlarm (11) Package: vpls Raised on classes: <ul style="list-style-type: none"> vpls.L2AccessInterfaceMldMvrCfg vpls.L2AccessInterfaceMvrCfg 	Severity: warning Implicitly cleared: true Default probable cause: MvrConfiguredProxySapNotExist (165)	<ul style="list-style-type: none"> 5.0.0 6.0.0
Description: The alarm is raised when a configured MVR proxy SAP does not exist. The alarm clears when the proxy SAP is created.		
Raising condition: ('proxySapExists' EQUAL 'false')		
Clearing condition: ('proxySapExists' EQUAL 'true')		
Remedial action: Create the missing proxy SAP.		

Table 5-86 MvrSiteDown

Alarm	Attributes	Applicable major NE releases
Name: MvrSiteDown (162) Type: ProtocolAlarm (1) Package: layer2 Raised on class: layer2.MvrSite	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> 3.0.0 4.0.0 5.0.0 6.0.0
Description: The alarm is raised when MVR is disabled on an NE and a TLS VLAN or MVR VLAN service is provisioned on the NE.		
Raising condition: ('MVR Admin Status' EQUAL 'Disabled')		
Clearing condition: ('MVR Admin Status' EQUAL 'Enabled')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: To clear the alarm, enable MVR Admin Status under the Bridge Instance.		

(2 of 2)

Table 5-87 NeManagementAndTrapManagementMismatch

Alarm	Attributes	Applicable major NE releases
Name: NeManagementAndTrapManagementMismatch (1079) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: neManagementChange (817)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: This user-defined alarm is raised when the NE configuration is one of the following: - The Active Management IP is set to Out Of Band, and the Primary Route Preference is set to In Band. - The Active Management IP is set to In Band, and the Primary Route Preference is set to Out of Band.		
Raising condition: (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only')) AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only')) AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'Out Of Band')))		
Clearing condition: (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only')) AND ('Primary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only')) AND ('Primary Route Preference' EQUAL 'Out Of Band')))		
Remedial action: A configuration error has been made which must be corrected. The parameters described in the description for this alarm must match.		

Table 5-88 NewSsh2ServerKeyDetected

Alarm	Attributes	Applicable major NE releases
Name: NewSsh2ServerKeyDetected (285) Type: communicationsAlarm (4) Package: security Raised on class: security.KnownHostKey	Severity: warning Implicitly cleared: true Default probable cause: ssh2ServerKeyMismatch (217)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a 5620 SAM main server detects a new public SSH key.		
Raising condition: ('SSH2 Server Key Status' EQUAL 'Mismatch SSH2 Host Key')		
Clearing condition: ('SSH2 Server Key Status' EQUAL 'Active SSH2 Host Key')		
Remedial action: Informational - possible security breach. The SSH key of the router is different from the one known to the SAM server.		

Table 5-89 NodeDatabaseFallbackDetected

Alarm	Attributes	Applicable major NE releases
Name: NodeDatabaseFallbackDetected (2923) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseFallback (1121)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a configuration fallback is detected on the node and comes back up with a previous configuration. To correct this situation it might be necessary to reconfigure the node, or perform full resync its database with the 'fallback' configuration returned by the node.		
Raising condition: ('State' EQUAL 'Node Configuration Fallback')		
Clearing condition: ('State' EQUAL 'Managed')		
Remedial action: the NE has come back to a previous configuration. Perform a manual Full Resync or a Reconfigure of the NE		

Table 5-90 NodeDatabaseMisalignmentDetected

Alarm	Attributes	Applicable major NE releases
Name: NodeDatabaseMisalignmentDetected (2924) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseMisalignment (1122)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a configuration misalignment has been detected on the node and comes back up with an unexpected configuration (configuration change triggered by external tool) To correct this situation it might be necessary to reconfigure the node with the 5620 SAM's old configuration or accept the new configuration received from the node.		
Raising condition: ('State' EQUAL 'Node Configuration Misalignment')		
Clearing condition: ('State' EQUAL 'Managed')		
Remedial action: the NE configuration is misaligned. Perform a resync in order to update SAM configuration according to the NE.		

Table 5-91 NodeRebooted

Alarm	Attributes	Applicable major NE releases
Name: NodeRebooted (32) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: false Default probable cause: nodeReboot (25)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the 5620 SAM detects an NE reboot based on the latest NE sysUpTime value.		
Remedial action: Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 5-92 NodeSuspended

Alarm	Attributes	Applicable major NE releases
Name: NodeSuspended (5123) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: NodeSuspend (2057)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the 5620 SAM detects an NE moved to suspend state as per user request.		
Raising condition: ('SNMP Reachability' EQUAL 'Suspended')		
Clearing condition: ('SNMP Reachability' NOT EQUAL 'Suspended')		
Remedial action: This alarm is raised when user suspends the network element. The alarm will be cleared when the network element is managed back.		

Table 5-93 NTPOperDown

Alarm	Attributes	Applicable major NE releases
Name: NTPOperDown (4879) Type: communicationsAlarm (4) Package: ntp Raised on class: ntp.NTP	Severity: info Implicitly cleared: true Default probable cause: NTPOperDown (1943)	<ul style="list-style-type: none"> • 5.0.0 • 6.0.0
Description: The alarm is generated when the NTP Operational State is down for NTP.		
Raising condition: (('Operational State' EQUAL 'Down') AND ('NTP State' EQUAL 'Enabled'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('NTP State' EQUAL 'Disabled'))		
Remedial action: Please check if NTP is administratively enabled (Admin State in NTP General Tab). If admin state down, enable it to make NTP operationally up.		

Table 5-94 OrphanNodeDetected

Alarm	Attributes	Applicable major NE releases
Name: OrphanNodeDetected (4866) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.AdvertisedNode	Severity: major Implicitly cleared: true Default probable cause: nodeNotManagedByAnyEms (1934)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when node is not managed by any EMS after n retries (threshold crossed) it is manually cleared by the operator or when the node is discovered.		
Raising condition: ('state' EQUAL 'orphan')		
Remedial action: The NE is not managed by any SAM. Add an discovery rule in order to manage it.		

5 — Alcatel-Lucent 7210 SAS D alarms

Table 5-95 OverTemperatureDetected

Alarm	Attributes	Applicable major NE releases
Name: OverTemperatureDetected (388) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the chassis temperature exceeds the maximum threshold value.		
Raising condition: ('Over Temperature State' EQUAL 'Over')		
Clearing condition: ('Over Temperature State' NOT EQUAL 'Over')		
Remedial action: The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 5-96 PartialResyncProblem

Alarm	Attributes	Applicable major NE releases
Name: PartialResyncProblem (4401) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: partialResyncProblem (1578)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when an Partial Resync on an NE fails. For example, when resyncing only some MIB entries as opposed to a full resync. The periodic reachability test (sysUpTime) is not considered a partial resync, neither is a full resync. However, a PartialResyncProblem alarm can only be reset by a FullResync.		
Raising condition: ('partialResyncStatus' EQUAL 'Partial Resync Failed')		
Clearing condition: ('partialResyncStatus' EQUAL 'Partial Resync Done')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE.		

Table 5-97 PersistentIndexParametersMisconfigured

Alarm	Attributes	Applicable major NE releases
Name: PersistentIndexParametersMisconfigured (173) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: persistentIndexConfigurationMismatch (136)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when persistence is set to Off in the NE BOF.		
Raising condition: (('Persistent SNMP Indices' EQUAL 'False') OR (('hasRedundantProcessorCards' EQUAL 'true') AND ('Redundant Synchronization Mode' EQUAL 'None')))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: (('Persistent SNMP Indices' EQUAL 'True') AND (('hasRedundantProcessorCards' EQUAL 'false') OR ('Redundant Synchronization Mode' NOT EQUAL 'None')))		
Remedial action: A configuration error has occurred that must be corrected. Use the CLI on the NE to enable persistency in the BOF. The discovery process will complete on the next discovery scan. A re-scan can be triggered immediately for the NE from within the discovery manager		

(2 of 2)

Table 5-98 PollerProblem

Alarm	Attributes	Applicable major NE releases
Name: PollerProblem (31) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: resyncFailed (24)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
Raising condition: ('Resync Status' EQUAL 'Full Resync Failed')		
Clearing condition: ('Resync Status' EQUAL 'Full Resync Done')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 5-99 PowerSupplyFailure

Alarm	Attributes	Applicable major NE releases
Name: PowerSupplyFailure (633) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: critical Implicitly cleared: true Default probable cause: powerSupplyFailure (117)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a power-supply tray reports a failure. When the alarm is raised during device discovery, a power-supply tray may be out of service. When the alarm is raised while the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
Raising condition: (('Power Supply 1 Status' EQUAL 'Not Equipped') OR ('Power Supply 1 Status' EQUAL 'Failed'))		
Clearing condition: (('Power Supply 1 Status' EQUAL 'OK'))		
Remedial action: Ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 5-100 PowerSupplyInputFeedDown

Alarm	Attributes	Applicable major NE releases
Name: PowerSupplyInputFeedDown (5422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: minor Implicitly cleared: true Default probable cause: powerSupplyInputFeedDown (2073)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: This alarm is generated if any one of the input feeds for a given power supply is not supplying power.		
Raising condition: (('Input Feed Status' EQUAL 'Input A Down') OR ('Input Feed Status' EQUAL 'Input B Down') OR (('Input Feed Status'allBits'Input A Down') AND ('Input Feed Status'allBits'Input B Down'))		
Clearing condition: ('Input Feed Status' EQUAL 'None')		
Remedial action: Restore all of the input feeds that are not supplying power.		

Table 5-101 PowerSupplyRemoved

Alarm	Attributes	Applicable major NE releases
Name: PowerSupplyRemoved (542) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: major Implicitly cleared: true Default probable cause: PowerSupplyRemoved (415)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a chassis power supply is removed.		
Raising condition: ('Power Supply 1 Status' EQUAL 'Not Equipped')		
Clearing condition: ('Power Supply 1 Status' NOT EQUAL 'Not Equipped')		
Remedial action: To recover from this event, the customer is requested to add a new power supply to the system, or change a faulty power supply with a working one.		

Table 5-102 PppLoopbackDetected

Alarm	Attributes	Applicable major NE releases
Name: PppLoopbackDetected (362) Type: configurationAlarm (11) Package: ppp Raised on class: ppp.Interface	Severity: major Implicitly cleared: true Default probable cause: PppLoopbackDetected (259)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the value of tmnxPppLocalMagicNumber is the same as the value of tmnxPppRemoteMagicNumber, which indicates that the link may be looped back.		
Raising condition: (('Local Magic Number' EQUAL 'Remote Magic Number') AND ('Local Magic Number' NOT EQUAL '0L'))		
Clearing condition: (('Local Magic Number' NOT EQUAL 'Remote Magic Number') OR ('Local Magic Number' EQUAL '0L'))		
Remedial action: Informational.		

Table 5-103 PrimaryImageBootFailure

Alarm	Attributes	Applicable major NE releases
Name: PrimaryImageBootFailure (191) Type: configurationAlarm (11) Package: sw Raised on class: sw.CardSoftware	Severity: warning Implicitly cleared: true Default probable cause: bootOptionFileMisconfigured (150)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the primary software image specified in an NE BOF is unusable.		
Raising condition: (('imageSource' NOT EQUAL 'Primary') AND ('imageSource' NOT EQUAL 'Unknown'))		
Clearing condition: (('imageSource' EQUAL 'Primary') OR ('imageSource' EQUAL 'Unknown'))		
Remedial action: The SW image on the NE may have been inadvertently corrupted. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

Table 5-104 PrimaryPathLimitReached

Alarm	Attributes	Applicable major NE releases
Name: PrimaryPathLimitReached (457) Type: resourceAlarm (28) Package: equipment Raised on class: equipment.DaughterCard	Severity: warning Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the Ingress Multicast Path Management primary path bandwidth limit is reached.		
Raising condition: (('Primary Path Limit Override' > '0') AND ('Primary Path In use' >= (1000 * 'Primary Path Limit Override'))"		
Clearing condition: (('Primary Path Limit Override' > '0') AND ('Primary Path In use' < (1000 * 'Primary Path Limit Override'))		
Remedial action: Informational - The alarm is raised when the Ingress Multicast Path Management primary path bandwidth limit is reached. This can be remedied by modifying the primary path limit located at T1 Paths tab of the multicast bandwidth policy which assigned to the card, or increase the primary path limit override located at the Daughter Card tab under Daughter Card Slot form.		

Table 5-105 PTPNotQualified

Alarm	Attributes	Applicable major NE releases
Name: PTPNotQualified (3611) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPNotQualified (1400)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when PTP on an NE is not in the Qualified state.		
Raising condition: (('Qualified For Use' EQUAL 'Not Qualified'))		
Clearing condition: (('Qualified For Use' NOT EQUAL 'Not Qualified'))		
Remedial action: Check the communication path is up between the local PTP slave clock and its selected master		

Table 5-106 PTPPeerLossOfAnnounce

Alarm	Attributes	Applicable major NE releases
Name: PTPPeerLossOfAnnounce (3608) Type: communicationsAlarm (4) Package: ptp Raised on class: ptp.IEEEPTPPeer	Severity: minor Implicitly cleared: true Default probable cause: PTPPeerLossOfAnnounce (1397)	<ul style="list-style-type: none"> • 5.0.0 • 6.0.0
Description: The alarm is raised when the PTP peer is in the 'Packet Timing Signal Fail (Loss Announce)' state. This indicates that the PTP announce messages are not received from the remote master.		
Raising condition: (('Master GM Alarms'anyBit'Loss of Announce'))		
Clearing condition: NOT (((('Master GM Alarms'anyBit'Loss of Announce'))))		
Remedial action: Please check if Configured Peer IP address is reachable (ping <Peer Ip>) from the this SR node and PTP configuration is proper.		

Table 5-107 PTPPeerLossOfSync

Alarm	Attributes	Applicable major NE releases
Name: PTPPeerLossOfSync (3609) Type: communicationsAlarm (4) Package: ptp Raised on class: ptp.IEEEPTPPeer	Severity: minor Implicitly cleared: true Default probable cause: PTPPeerLossOfSync (1398)	<ul style="list-style-type: none"> • 5.0.0 • 6.0.0
Description: The alarm is raised when the PTP peer is in the 'Packet Timing Signal Fail (Loss Sync)' state. This indicates that the PTP timing messages are not received from the remote master.		
Raising condition: (('Master GM Alarms'anyBit'Loss of Sync'))		
Clearing condition: NOT (((('Master GM Alarms'anyBit'Loss of Sync'))))		
Remedial action: Please check if Configured Peer IP address is reachable (ping <Peer Ip>) from the this SR node and PTP configuration is proper.		

Table 5-108 PTPReferenceLossOfSignal

Alarm	Attributes	Applicable major NE releases
Name: PTPReferenceLossOfSignal (3613) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPReferenceLossOfSignal (1402)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the PTP reference on an NE is not qualified due to Loss of Signal.		
Raising condition: (('Not Qualified Due To'anyBit'LOS'))		
Clearing condition: NOT (((('Not Qualified Due To'anyBit'LOS'))))		
Remedial action: Check the communication path is up between the local PTP slave clock and its selected master		

Table 5-109 PTPReferenceOutOfFrequency

Alarm	Attributes	Applicable major NE releases
Name: PTPReferenceOutOfFrequency (3614) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPReferenceOutOfFrequency (1403)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the PTP Reference on an NE is not qualified due to Out of frequency.		
Raising condition: (('Not Qualified Due To'anyBit'OOF'))		
Clearing condition: NOT (('Not Qualified Due To'anyBit'OOF'))		
Remedial action: Make sure that fequency configured for Reference One is correct.		

Table 5-110 PTPReferenceOutOfPollInRange

Alarm	Attributes	Applicable major NE releases
Name: PTPReferenceOutOfPollInRange (3615) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPReferenceOutOfPollInRange (1404)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the PTP Reference on an NE is not qualified state due to Out of poll in range.		
Raising condition: (('Not Qualified Due To'anyBit'OOPIR'))		
Clearing condition: NOT (('Not Qualified Due To'anyBit'OOPIR'))		
Remedial action: If there is packet flow, the PTP slave clock is in it's initial acquiring states where the sync-if-timing reference does not qualify just wait.		

Table 5-111 RadiusOperStatusDown

Alarm	Attributes	Applicable major NE releases
Name: RadiusOperStatusDown (3692) Type: radiusOperStatusDownAlarm (105) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: radiusOperationStatusDown (1431)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when all RADIUS servers have gone down.		
Raising condition: ('Global RADIUS Operational State' EQUAL 'Down')		
Clearing condition: ('Global RADIUS Operational State' EQUAL 'Up')		
Remedial action: Verify the RADIUS server is properly configured and radius server state is up.Check the connectivity between SAM server and radius server configured on the Network element.		

Table 5-112 ReachabilityProblem

Alarm	Attributes	Applicable major NE releases
Name: ReachabilityProblem (243) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ReachabilityTestFailed (176)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when an Mediation poll of the SysUpTimeAlarm object on an NE fails, for example, because of network congestion or because the NE is too busy to respond. The probable cause is an unreachable NE Mediation agent on the NE. By default, the 5620 SAM polls a managed NE every two minutes. If a poll fails, the alarm is raised. The 5620 SAM polls the NE two minutes after the first failure. If successive polls fail, the 5620 SAM raises the polling interval for the NE by two minutes after each failure to a maximum of 12 min. The polling interval remains at 12 min until the 5620 SAM receives a response from the NE. The alarm clears when the 5620 SAM receives a response from the NE, and the 5620 SAM GUI icon that represents the NE turns from red to green.		
Raising condition: ('SNMP Reachability' EQUAL 'Down')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 5-113 ReconfigFailure

Alarm	Attributes	Applicable major NE releases
Name: ReconfigFailure (1949) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: failedReconfig (937)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: This alarm is raised when the reconfig action failed.		
Raising condition: ('State' EQUAL 'Failed')		
Clearing condition: ('State' NOT EQUAL 'Failed')		
Remedial action: Verify that the object is configured as expected.		

Table 5-114 RedundantMepMisconfiguration

Alarm	Attributes	Applicable major NE releases
Name: RedundantMepMisconfiguration (3631) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: minor Implicitly cleared: true Default probable cause: misconfiguredRedundantMep (1416)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when an Active and Redundant MEP do not have the same Id, Operational MAC Address or Sub Group configured.		
Raising condition: ('validRedundantMepConfig' EQUAL 'false')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: ('validRedundantMepConfig' EQUAL 'true')		
Remedial action: MC-LAG redundant MEP configuration (MEP ID or Mac Address) for Active & Standby Interfaces do not match, this could cause issues with CFM or CCM tests if Active interface changes. Delete and Re-create Standby MEP to match Active.		

(2 of 2)

Table 5-115 RedundantMepMissing

Alarm	Attributes	Applicable major NE releases
Name: RedundantMepMissing (3632) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: minor Implicitly cleared: true Default probable cause: missingRedundantMep (1417)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a MEP misses a redundant counterpart on LAG or SAP.		
Raising condition: (('MC-LAG Inactive' NOT EQUAL 'Not Applicable') AND ('Redundant MEP' EQUAL '\'))		
Clearing condition: (('MC-LAG Inactive' EQUAL 'Not Applicable') OR (('MC-LAG Inactive' NOT EQUAL 'Not Applicable') AND ('Redundant MEP' NOT EQUAL '\')))		
Remedial action: MC-LAG redundant MEP is missing Active & Standby Interfaces, this will cause issues with CFM or CCM tests if Active interface changes. Create missing Active/Standby MEP to match existing.		

Table 5-116 RemoteMepCCMAAlarm

Alarm	Attributes	Applicable major NE releases
Name: RemoteMepCCMAAlarm (502) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: major Implicitly cleared: true Default probable cause: missingRemoteMep (388)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a MEP loses connectivity with one or more remote MEPs. The Remote MEP DB State tab on a MEP lists the missing remote MEPs.		
Raising condition: ('High-Priority Defect' NOT EQUAL '0')		
Clearing condition: ('High-Priority Defect' EQUAL '0')		
Remedial action: MEP has lost communication with Remote MEP defined in Maintenance Association (MEG) Remote MEP list, Either Remote MEP list is incorrect or diagnose connection fault and resolve.		

5 — Alcatel-Lucent 7210 SAS D alarms

Table 5-117 SaveConfigFailed

Alarm	Attributes	Applicable major NE releases
Name: SaveConfigFailed (105) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileAccessError (90)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the admin save command on an NE fails.		
Raising condition: ('Config Save State' EQUAL 'Failure')		
Clearing condition: ('Config Save State' EQUAL 'Success')		
Remedial action: Attempt the admin save command a second time. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 5-118 ScheduledPollerProblem

Alarm	Attributes	Applicable major NE releases
Name: ScheduledPollerProblem (4386) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: scheduledResyncFailed (1569)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
Raising condition: ('Scheduled Resync Status' EQUAL 'Scheduled Resync Failed')		
Clearing condition: ('Scheduled Resync Status' EQUAL 'Scheduled Resync Done')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 5-119 SecondaryPathLimitReached

Alarm	Attributes	Applicable major NE releases
Name: SecondaryPathLimitReached (458) Type: resourceAlarm (28) Package: equipment Raised on class: equipment.DaughterCard	Severity: warning Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the Ingress Multicast Path Management secondary path bandwidth limit is reached.		
Raising condition: (('Secondary Path Limit Override' > '0') AND ('Secondary Path In use' >= (1000 * 'Secondary Path Limit Override'))"		
Clearing condition: (('Secondary Path Limit Override' > '0') AND ('Secondary Path In use' < (1000 * 'Secondary Path Limit Override'))"		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: Informational - The alarm is raised when the Ingress Multicast Path Management secondary path bandwidth limit is reached. This can be remedied by modifying the secondary path limit located at T1 Paths tab of the multicast bandwidth policy which assigned to the card, or increase the secondary path limit override located at the Daughter Card tab under Daughter Card Slot form.		

(2 of 2)

Table 5-120 ServiceSiteDown

Alarm	Attributes	Applicable major NE releases
Name: ServiceSiteDown (97) Type: serviceAlarm (16) Package: service Raised on class: service.Site	Severity: critical Implicitly cleared: true Default probable cause: siteDown (83)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when all SAPs on a site are operationally down, or when the service tunnels for the site are operationally down.		
Raising condition: (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'All Spoke SDP Bindings are Standby'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'All Spoke SDP Bindings are Standby'))		
Remedial action: The network resources (i.e. physical ports for SAPs, or physical ports/LSP) associated with the service site should be examined to determine if/why they are operationally down. The underlying transport network supporting the site may also be unreliable.		

Table 5-121 StatsRetrieveFailed

Alarm	Attributes	Applicable major NE releases
Name: StatsRetrieveFailed (244) Type: configurationAlarm (11) Package: sw Raised on class: sw.AccountingStatsRetrievalManager	Severity: major Implicitly cleared: false Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the 5620 SAM main or auxiliary server cannot transfer an accounting file from an NE.		
Raising condition: (('Stats Retrieval State' NOT EQUAL 'Success') AND ('Stats Retrieval State' NOT EQUAL 'Not Attempted'))		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy or otherwise cannot respond to the 5620 SAM main or auxiliary server.		

Table 5-122 StpExceptionCondition

Alarm	Attributes	Applicable major NE releases
Name: StpExceptionCondition (297) Type: AccessInterfaceAlarm (32) Package: I2fwd Raised on class: I2fwd.AccessInterfaceStp	Severity: major Implicitly cleared: true Default probable cause: StpException (228)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a SAP detects an STP exception condition, for example, one-way communication or a downstream loop. The alarm clears when the STP condition changes.		
Raising condition: (('STP Exception Condition' NOT EQUAL 'None') AND ('Administrative State' EQUAL 'Up'))		
Clearing condition: (('STP Exception Condition' EQUAL 'None') OR ('Administrative State' EQUAL 'Down'))		
Remedial action: Check 'STP Exception Condition' field for more details and fix the STP exception.		

Table 5-123 StpRootGuardViolation

Alarm	Attributes	Applicable major NE releases
Name: StpRootGuardViolation (503) Type: AccessInterfaceAlarm (32) Package: I2fwd Raised on class: I2fwd.AccessInterfaceStp	Severity: warning Implicitly cleared: true Default probable cause: spanningTreeTopologyChanged (331)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a SAP detects an STP root guard violation.		
Raising condition: ('Root Guard Violation' EQUAL 'true')		
Clearing condition: ('Root Guard Violation' NOT EQUAL 'true')		
Remedial action: Set 'Root Guard' to false if not necessary.		

Table 5-124 SubscriberSystemNextHopUsageHigh

Alarm	Attributes	Applicable major NE releases
Name: SubscriberSystemNextHopUsageHigh (5157) Type: thresholdCrossed (6) Package: netw Raised on class: netw.NetworkElement	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit.		
Raising condition: ('IP Next Hop Usage High' EQUAL 'true')		
Clearing condition: ('IP Next Hop Usage High' EQUAL 'false')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit. There is no immediate effect, but when the usage actually hits the limit, new hosts will not get their managed routes.		

(2 of 2)

Table 5-125 TemperatureThresholdCrossed

Alarm	Attributes	Applicable major NE releases
Name: TemperatureThresholdCrossed (7) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Environment	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a temperature crosses a threshold.		
Raising condition: ('temperatureThresholdCrossed' EQUAL 'true')		
Clearing condition: ('temperatureThresholdCrossed' EQUAL 'false')		
Remedial action: The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 5-126 TmnxEqPortEtherLoopDetected

Alarm	Attributes	Applicable major NE releases
Name: TmnxEqPortEtherLoopDetected (461) Type: portEtherLoopDetected (48) Package: ethernetEquipment Raised on class: ethernetEquipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a device detects a physical loop on an Ethernet port.		
Raising condition: (('Down When Looped Status' EQUAL 'Loop Detected'))		
Clearing condition: (('Down When Looped Status' EQUAL 'No Loop Detected'))		
Remedial action: An Ethernet port has been mis-cabled - please remove the loopback cable on the port.		

Table 5-127 TrapDestinationMisconfigured

Alarm	Attributes	Applicable major NE releases
Name: TrapDestinationMisconfigured (33) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: trapDestinationMisconfigured (26) Applicable probable causes: <ul style="list-style-type: none"> trapDestinationMisconfigured duplicateTrapLogId 	<ul style="list-style-type: none"> 3.0.0 4.0.0 5.0.0 6.0.0
Description: The alarm is raised when the 5620 SAM cannot be added to the NE's SNMP trap destinations.		
Raising condition: ('isTrapDestinationMisconfigured' EQUAL 'true')		
Clearing condition: ('isTrapDestinationMisconfigured' EQUAL 'false')		
Remedial action: A configuration error has been made which must be corrected. The SNMP trap destination on the NE must be configured to the IP address of the SAM server.		

Table 5-128 TrapReceivingFailure

Alarm	Attributes	Applicable major NE releases
Name: TrapReceivingFailure (1083) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: false Default probable cause: trapsWillNotBeSent (822)	<ul style="list-style-type: none"> 3.0.0 4.0.0 5.0.0 6.0.0
Description: This user-defined alarm is raised when the NE is unable to send traps because the NE configuration is one of the following: - The Management IP Selection is set to Out Of Band Only, the Primary Route Preference is set to In Band, and the Secondary Route Preference is set to None. - The Management IP Selection is set to In Band Only, the Primary Route Preference is set to Out Of Band, and the Secondary Route Preference is set to None.		
Raising condition: (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
Clearing condition: (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND (('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND (('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND (('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND (('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND (('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band'))))		
Remedial action: A configuration error has been made which must be corrected. The configuration error must be corrected per the discussion in the description for this alarm.		

Table 5-129 TrapRoutePreferenceRedundancyMissing

Alarm	Attributes	Applicable major NE releases
Name: TrapRoutePreferenceRedundancyMissing (1084) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: trapsRedundancyMissing (823)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The user-defined alarm is raised when NE management redundancy is configured without trap route preference redundancy.		
Raising condition: (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
Clearing condition: (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Secondary Route Preference' NOT EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Secondary Route Preference' NOT EQUAL 'None'))))		
Remedial action: A configuration error has been made which must be corrected. The IP address of the standby SAM server must be configured on the NE in question.		

Table 5-130 UnidentifiedNode

Alarm	Attributes	Applicable major NE releases
Name: UnidentifiedNode (1922) Type: communicationsAlarm (4) Package: netw Raised on class: netw.DiscoveredNode	Severity: major Implicitly cleared: true Default probable cause: unidentifiedNode (922)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the node being discovered can not be properly identified.		
Raising condition: ('State' EQUAL 'Pending Identification')		
Clearing condition: ('State' NOT EQUAL 'Pending Identification')		
Remedial action: A configuration error has occurred that must be corrected. The eNodeB does not have a system name. The name can be configured by selecting the alarm, opening the associated properties form for the alarmed object and configuring the system name.		

Table 5-131 UnmanageFailed

Alarm	Attributes	Applicable major NE releases
Name: UnmanageFailed (300) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.NodeDiscoveryControl	Severity: warning Implicitly cleared: true Default probable cause: unableToDeleteNode (231)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when an attempt to unmanage an NE fails.		

(1 of 2)

5 — Alcatel-Lucent 7210 SAS D alarms

Alarm	Attributes	Applicable major NE releases
Raising condition: ('Site State' EQUAL 'unmanage failed')		
Clearing condition: ('Site State' NOT EQUAL 'unmanage failed')		
Remedial action: Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

(2 of 2)

Table 5-132 unsupportedPortUsage

Alarm	Attributes	Applicable major NE releases
Name: unsupportedPortUsage (5184) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: warning Implicitly cleared: true Default probable cause: incompatiblePortUsage (2100)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised in case unsupported port type is configured		
Raising condition: (('portId' >= '1L') AND ('portId' <= '4L') AND ('specificCardType' EQUAL 'EASv2') AND (('Port Usage' EQUAL 'MPT-HC') OR ('Port Usage' EQUAL 'MPT-MC')))"		
Clearing condition: NOT (((('portId' >= '1L') AND ('portId' <= '4L') AND ('specificCardType' EQUAL 'EASv2') AND (('Port Usage' EQUAL 'MPT-HC') OR ('Port Usage' EQUAL 'MPT-MC')))))"		
Remedial action: This alarm indicates unsupported port usage. Port usage configured on the NE is not supported by SAM.		

Table 5-133 UpgradedBuildVersionMismatch

Alarm	Attributes	Applicable major NE releases
Name: UpgradedBuildVersionMismatch (174) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: upgradedImageNotBooted (137)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the software version that an NE reports after a software upgrade does not match the version of the software used for the upgrade.		
Raising condition: ('upgradedBuildVersionMismatch' EQUAL 'true')		
Clearing condition: ('upgradedBuildVersionMismatch' EQUAL 'false')		
Remedial action: Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 5-134 upgradedCardAlarm

Alarm	Attributes	Applicable major NE releases
Name: upgradedCardAlarm (255) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: upgradedCard (194)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the standby CPM is rebooted and operational after a software upgrade. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
Raising condition: ('operationalState' EQUAL 'Upgrade')		
Clearing condition: ('operationalState' EQUAL 'Up')		
Remedial action: Informational - no corrective action required.		

Table 5-135 VersionConfigRestoreFailed

Alarm	Attributes	Applicable major NE releases
Name: VersionConfigRestoreFailed (536) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: versionMismatch (405)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the restore procedure on an NE fails because of a mismatch between the backup file set version and the NE software version.		
Raising condition: ('lastNmsVersionRestoreState' EQUAL 'Failure')		
Clearing condition: ('lastNmsVersionRestoreState' EQUAL 'Success')		
Remedial action: The backup files being restored do not match with the version of node software release. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

Table 5-136 WrongCpaaSoftwareVersion

Alarm	Attributes	Applicable major NE releases
Name: WrongCpaaSoftwareVersion (791) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: wrongCpaaSoftwareVersion (559)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the 7701 CPAA software is the wrong version and requires an upgrade.		
Raising condition: (('Software Version' EQUAL "\"TIMOS-B-3.0.Generic \") AND ('Chassis Type' EQUAL '7701 CPAA'))		
Clearing condition: (('Software Version' NOT EQUAL "\"TIMOS-B-3.0.Generic \") AND ('Chassis Type' EQUAL '7701 CPAA'))		
Remedial action: The SW version of the CPAA must be upgraded to the version compatible with CPAM version.		

Table 5-137 XplError

Alarm	Attributes	Applicable major NE releases
Name: XplError (573) Type: hardwareAnomaly (55) Package: equipment Raised on class: equipment.DaughterCard	Severity: minor Implicitly cleared: true Default probable cause: xplError (443)	<ul style="list-style-type: none"> • 3.0.0 • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when an MDA reports persistent XPL Errors.		
Raising condition: ('Number Of Notifications' NOT EQUAL '0')		
Clearing condition: ('Number Of Notifications' EQUAL '0')		
Remedial action: Informational - if the condition persists then the MDA indicated in the alarm should be replaced.		

6 — Alcatel-Lucent 7210 SAS E alarms



Note — Some alarms that the 5620 SAM can raise against this device may not be listed in this chapter. Associating alarms with specific NE types is an ongoing Alcatel-Lucent effort. If the 5620 SAM raises an alarm against this device type, and the alarm is not described in this chapter, see chapter 35 for information about the alarm.

Table 6-1 AccessInterfaceDown

Alarm	Attributes	Applicable major NE releases
Name: AccessInterfaceDown (249) Type: AccessInterfaceAlarm (32) Package: service Raised on class: service.AccessInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when an L2 or L3 interface operational state is Down. The alarm is not raised against an L2 access interface that is associated with an MC ring or MC LAG in the standby state.		
Raising condition: (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'Standby For MC-Ring') AND ('State Cause' NOT EQUAL 'Standby For MC-Lag') AND ('State Cause' NOT EQUAL 'Standby For BGP Multi-homing'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'Standby For MC-Ring') OR ('State Cause' EQUAL 'Standby For MC-Lag') OR ('State Cause' EQUAL 'Standby For BGP Multi-homing'))		
Remedial action: The condition exists because the physical interface is down either because it is administratively disabled, faulty or a cabling fault has occurred. Ensure that the interface is administratively up. Check for a poor cable connection to the port or for a faulty cable/fiber. If neither appears to be the problem run diagnostics on the port to determine if it is faulty.		

Table 6-2 ActiveAbnormalCondition

Alarm	Attributes	Applicable major NE releases
Name: ActiveAbnormalCondition (3938) Type: activeAbnormalConditionAlarm (116) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ActiveAbnormalConditionState (1520)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is an indication for abnormal condition on NE.		
Raising condition: ('abnormalCondition' EQUAL 'true')		
Clearing condition: ('abnormalCondition' EQUAL 'false')		
Remedial action: This alarm is raised when there is a abnormal state indication on NE.		

Table 6-3 AGWDiameterPeerDown

Alarm	Attributes	Applicable major NE releases
Name: AGWDiameterPeerDown (844) Type: EpcAlarm (59) Package: lte Raised on class: lte.AGWDiameterPeer	Severity: variable Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the path management state of a Diameter peer changes to a state other than Up.		
Raising condition: ('Path Diameter Management State' NOT EQUAL 'Active')		
Clearing condition: ('Path Diameter Management State' EQUAL 'Active')		
Remedial action: A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

Table 6-4 AncillaryPathLimitReached

Alarm	Attributes	Applicable major NE releases
Name: AncillaryPathLimitReached (459) Type: resourceAlarm (28) Package: equipment Raised on class: equipment.DaughterCard	Severity: warning Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the Ingress Multicast Path Management ancillary path bandwidth limit is reached.		
Raising condition: (('Ancillary Path Limit Override' > '0') AND ('Ancillary Path In use' >= (1000 * 'Ancillary Path Limit Override'))"		
Clearing condition: (('Ancillary Path Limit Override' > '0') AND ('Ancillary Path In use' < (1000 * 'Ancillary Path Limit Override'))"		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: Informational - The alarm is raised when the Ingress Multicast Path Management ancillary path bandwidth limit is reached. This can be remedied by modifying the ancillary path limit located at T1 Paths tab of the multicast bandwidth policy which assigned to the card, or increase the ancillary path limit override located at the Daughter Card tab under Daughter Card Slot form.		

(2 of 2)

Table 6-5 AuxiliaryServerStatus

Alarm	Attributes	Applicable major NE releases
Name: AuxiliaryServerStatus (311) Type: communicationsAlarm (4) Package: server Raised on class: server.AuxiliaryServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a 5620 SAM main server cannot communicate with an auxiliary server. The alarm clears when communication is restored.		
Raising condition: ('Server Status' EQUAL 'Down')		
Clearing condition: ('Server Status' EQUAL 'Up')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the AUX and SAM servers is unreliable.		

Table 6-6 BootableConfigBackupFailed

Alarm	Attributes	Applicable major NE releases
Name: BootableConfigBackupFailed (103) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the 5620 SAM fails to back up a set of NE configuration files.		
Raising condition: ('Backup State' EQUAL 'Failure')		
Clearing condition: ('Backup State' EQUAL 'Success')		
Remedial action: Investigation is required to resolve the following possible scenarios: insufficient disk space is available to accommodate the NE configuration files (additional SAM platform alarms will accompany this alarm); the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

Table 6-7 BootableConfigRestoreFailed

Alarm	Attributes	Applicable major NE releases
Name: BootableConfigRestoreFailed (104) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the 5620 SAM fails to restore a set of NE configuration files.		
Raising condition: ('Restore State' EQUAL 'Failure')		
Clearing condition: ('Restore State' EQUAL 'Success')		
Remedial action: Investigation is required to resolve the following possible scenarios: the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

Table 6-8 BootParametersMisconfigured

Alarm	Attributes	Applicable major NE releases
Name: BootParametersMisconfigured (35) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: persistentIndexFailure (30) Applicable probable causes: <ul style="list-style-type: none"> • persistentIndexFailure • configFileBootFailure 	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the SNMP Index Boot Status on an NE is not set to Persistent.		
Raising condition: (('isGenericNode' EQUAL 'false') AND ('State' NOT EQUAL 'Pre-provisioned') AND (('Config File Status' NOT EQUAL 'Executed Successfully') OR ('Persistent Index Status' NOT EQUAL 'Rebuild Succeeded')))		
Clearing condition: (('Config File Status' EQUAL 'Executed Successfully') AND ('Persistent Index Status' EQUAL 'Rebuild Succeeded'))		
Remedial action: Ensure that "SNMP Index Boot Status" is persistent (using cli command "show system information" on the NE). If not, unmanage the network element from SAM, ensure that "persist on" is set in the bof file, save the bof, save a config file, verify that an index file (.ndx) is saved as well, reboot the router, verify that SNMP Index Boot Status is persistent and finally remanage the router from SAM.		

Table 6-9 ClientDelegateServerStatus

Alarm	Attributes	Applicable major NE releases
Name: ClientDelegateServerStatus (731) Type: communicationsAlarm (4) Package: server Raised on class: server.ClientDelegateServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a client delegate server is unreachable.		
Raising condition: ('Server Status' EQUAL 'Down')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: ('Server Status' EQUAL 'Up')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the client delegate platform and SAM servers is unreliable or the client delegate server itself is unreliable.		

(2 of 2)

Table 6-10 ContainingEquipmentAdministrativelyDown

Alarm	Attributes	Applicable major NE releases
Name: ContainingEquipmentAdministrativelyDown (466) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: minor Implicitly cleared: true Default probable cause: containingEquipmentAdministrativelyDown (330)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentAdministrativelyDown.		
Raising condition: (('Status' EQUAL 'Parent Admin Down') AND ('isTerminatable' EQUAL 'true'))		
Clearing condition: (('Status' NOT EQUAL 'Parent Admin Down') OR ('isTerminatable' NOT EQUAL 'true'))		
Remedial action: Informational - no corrective action required.		

Table 6-11 ContainingEquipmentMismatch

Alarm	Attributes	Applicable major NE releases
Name: ContainingEquipmentMismatch (464) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentMismatch (328)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentMismatch.		
Raising condition: (('Status' EQUAL 'Parent Type Mismatch') AND ('isTerminatable' EQUAL 'true'))		
Clearing condition: (('Status' NOT EQUAL 'Parent Type Mismatch') OR ('isTerminatable' NOT EQUAL 'true'))		
Remedial action: A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

Table 6-12 ContainingEquipmentOperationallyDown

Alarm	Attributes	Applicable major NE releases
Name: ContainingEquipmentOperationallyDown (465) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentDown (329)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentOperationallyDown.		
Raising condition: (('Status' EQUAL 'Parent Oper Down') AND ('isTerminatable' EQUAL 'true'))		
Clearing condition: (('Status' NOT EQUAL 'Parent Oper Down') OR ('isTerminatable' NOT EQUAL 'true'))		
Remedial action: The operational state of the equipment element indicated in the alarm is down. This may be due to the element's administrative state or it may indicate that the element has failed.		

Table 6-13 CorruptImageFile

Alarm	Attributes	Applicable major NE releases
Name: CorruptImageFile (171) Type: configurationAlarm (11) Package: mediation Raised on class: mediation.AbstractSoftwareFolderDescriptor	Severity: critical Implicitly cleared: true Default probable cause: invalidOrCorruptImageFile (134)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when one or more files in the 5620 SAM software image specified for a device software upgrade is invalid, corrupt or absent. The 5620 SAM validates a device software file set before it imports the file set and distributes it to an NE. Ensure that the file set downloads properly to the NE and is not tampered with before you re-attempt the upgrade. The alarm clears when a valid file set is on the NE and the 5620 SAM activates the software image in the file set.		
Raising condition: ('isImageValid' EQUAL 'false')		
Clearing condition: ('isImageValid' EQUAL 'true')		
Remedial action: The existing SW image in the SAM database should be replaced with an image that is known to be complete and valid.		

Table 6-14 DDMAux1HighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMAux1HighAlarm (495) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: aux1HighAlarm (381)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the manufacturer-specific Auxiliary 1 of the XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux1 High Alarm')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: NOT (('failedThresholds'anyBit'Aux1 High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

(2 of 2)

Table 6-15 DDMAux1HighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMAux1HighWarning (494) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: aux1HighWarning (380)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the manufacturer-specific Auxiliary 1 of the XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux1 High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux1 High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 6-16 DDMAux1LowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMAux1LowAlarm (493) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: aux1LowAlarm (379)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the manufacturer-specific Auxiliary 1 of the XFP reaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux1 Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux1 Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 6-17 DDMAux1LowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMAux1LowWarning (492) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: aux1LowWarning (378)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0

(1 of 2)

6 — Alcatel-Lucent 7210 SAS E alarms

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when the manufacturer-specific Auxiliary 1 of the XFP approaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux1 Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux1 Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

(2 of 2)

Table 6-18 DDMAux2HighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMAux2HighAlarm (499) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: aux2HighAlarm (385)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the manufacturer-specific Auxiliary 2 of the XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux2 High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux2 High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 6-19 DDMAux2HighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMAux2HighWarning (498) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: aux2HighWarning (384)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the manufacturer-specific Auxiliary 2 of the XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux2 High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux2 High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 6-20 DDMAux2LowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMAux2LowAlarm (497) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: aux2LowAlarm (383)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the manufacturer-specific Auxiliary 2 of the XFP reaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux2 Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux2 Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 6-21 DDMAux2LowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMAux2LowWarning (496) Type: communicatiothresholdAlarmnsAlarm (50) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: aux2LowWarning (382)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the manufacturer-specific Auxiliary 2 of the XFP approaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux2 Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux2 Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 6-22 DDMRxOpticalPowerHighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMRxOpticalPowerHighAlarm (491) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: rxOpticalPowerHighAlarm (377)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the received optical power of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Rx Optical Power High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Rx Optical Power High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 6-23 DDMRxOpticalPowerHighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMRxOpticalPowerHighWarning (490) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: rxOpticalPowerHighWarning (376)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the received optical power of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBitRx Optical Power High Warning')		
Clearing condition: NOT (('failedThresholds'anyBitRx Optical Power High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 6-24 DDMRxOpticalPowerLowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMRxOpticalPowerLowAlarm (489) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: rxOpticalPowerLowAlarm (375)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the received optical power of an SFP or XFP reaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBitRx Optical Power Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBitRx Optical Power Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 6-25 DDMRxOpticalPowerLowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMRxOpticalPowerLowWarning (488) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: rxOpticalPowerLowWarning (374)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the received optical power of an SFP or XFP approaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBitRx Optical Power Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBitRx Optical Power Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 6-26 DDMSupplyVoltageHighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMSupplyVoltageHighAlarm (479) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: supplyVoltageHighAlarm (365)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the supply voltage of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Supply Voltage High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Supply Voltage High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 6-27 DDMSupplyVoltageHighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMSupplyVoltageHighWarning (478) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: supplyVoltageHighWarning (364)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the supply voltage of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Supply Voltage High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Supply Voltage High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 6-28 DDMSupplyVoltageLowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMSupplyVoltageLowAlarm (477) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: supplyVoltageLowAlarm (363)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the supply voltage of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Supply Voltage Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Supply Voltage Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 6-29 DDMSupplyVoltageLowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMSupplyVoltageLowWarning (476) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: supplyVoltageLowWarning (362)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the supply voltage of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Supply Voltage Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Supply Voltage Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 6-30 DDMTemperatureHighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTemperatureHighAlarm (475) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: temperatureHighAlarm (361)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the temperature of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Temperature High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Temperature High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 6-31 DDMTemperatureHighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTemperatureHighWarning (474) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: temperatureHighWarning (360)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the temperature of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Temperature High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Temperature High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 6-32 DDMTemperatureLowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTemperatureLowAlarm (473) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: temperatureLowAlarm (359)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the temperature of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Temperature Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Temperature Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 6-33 DDMTemperatureLowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTemperatureLowWarning (472) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: temperatureLowWarning (358)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the temperature of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Temperature Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Temperature Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 6-34 DDMTxBiasCurrentHighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTxBiasCurrentHighAlarm (483) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: txBiasCurrentHighAlarm (369)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the transmit bias current of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Bias Current High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Bias Current High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 6-35 DDMTxBiasCurrentHighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTxBiasCurrentHighWarning (482) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: txBiasCurrentHighWarning (368)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the transmit bias current of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Bias Current High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Bias Current High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 6-36 DDMTxBiasCurrentLowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTxBiasCurrentLowAlarm (481) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: txBiasCurrentLowAlarm (367)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the transmit bias current of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Bias Current Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Bias Current Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 6-37 DDMTxBiasCurrentLowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTxBiasCurrentLowWarning (480) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: txBiasCurrentLowWarning (366)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the transmit bias current of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Bias Current Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Bias Current Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 6-38 DDMTxOutputPowerHighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTxOutputPowerHighAlarm (487) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: txOutputPowerHighAlarm (373)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the output power of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Output Power High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Output Power High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 6-39 DDMTxOutputPowerHighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTxOutputPowerHighWarning (486) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: txOutputPowerHighWarning (372)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the output power of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Output Power High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Output Power High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 6-40 DDMTxOutputPowerLowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTxOutputPowerLowAlarm (485) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: txOutputPowerLowAlarm (371)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the output power of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Output Power Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Output Power Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 6-41 DDMTxOutputPowerLowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTxOutputPowerLowWarning (484) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: txOutputPowerLowWarning (370)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the output power of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Output Power Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Output Power Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 6-42 downgradedCardAlarm

Alarm	Attributes	Applicable major NE releases
Name: downgradedCardAlarm (256) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: downgradedCard (195)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when an IOM is not upgraded or reset after a device software upgrade of both CPMs. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
Raising condition: ('operationalState' EQUAL 'Downgrade')		
Clearing condition: ('operationalState' EQUAL 'Up')		
Remedial action: Informational - no corrective action required.		

Table 6-43 EfmOamAlarm

Alarm	Attributes	Applicable major NE releases
Name: EfmOamAlarm (4617) Type: equipmentAlarm (3) Package: ethernetEquipment Raised on class: ethernetEquipment.Dot3Oam	Severity: minor Implicitly cleared: true Default probable cause: EFMOAMOperationalStateOutOfService (1886)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when EFM Ignore status is Enabled, and Physical port Administrative State is Down.		
Raising condition: ('Ignore EFM State' EQUAL 'true')		
Clearing condition: ('Ignore EFM State' EQUAL 'true')		
Remedial action: The alarm is raised when EFM Ignore status is Enabled, and Physical port Administrative State is Down.		

Table 6-44 EquipmentAdministrativelyDown

Alarm	Attributes	Applicable major NE releases
Name: EquipmentAdministrativelyDown (455) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: minor Implicitly cleared: true Default probable cause: equipmentAdministrativelyDown (326)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentAdministrativelyDown.		
Raising condition: ('compositeEquipmentState' EQUAL 'Admin Down')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Admin Down')		
Remedial action: Informational - no corrective action required.		

Table 6-45 EquipmentDegraded

Alarm	Attributes	Applicable major NE releases
Name: EquipmentDegraded (604) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: minor Implicitly cleared: true Default probable cause: singleFanFailure (450)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a single fan fails. The chassis attempts to continue operating within the normal temperature range using only the remaining fans.		
Raising condition: ('Device State' EQUAL 'MinorFailure')		
Clearing condition: ('Device State' NOT EQUAL 'MinorFailure')		
Remedial action: The failed fan unit should be replaced.		

Table 6-46 EquipmentDown

Alarm	Attributes	Applicable major NE releases
Name: EquipmentDown (10) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: inoperableEquipment (8)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentOperationallyDown.		
Raising condition: ('compositeEquipmentState' EQUAL 'Oper Down')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Oper Down')		
Remedial action: This alarm indicates that a card in the NE has failed. The card must be replaced.		

Table 6-47 EquipmentFailure

Alarm	Attributes	Applicable major NE releases
Name: EquipmentFailure (145) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.ReplaceableUnit	Severity: critical Implicitly cleared: true Default probable cause: cardFailure (123)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a control processor or power-supply tray reports a failure. When the object type is ControlProcessor, a CPM may be unable to boot. When the object type is Power Supply Tray and the alarm is raised during device discovery, a power-supply tray may be out of service. When the object type is a Power Supply Tray and the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
Raising condition: ('operationalState' EQUAL 'Failed')		
Clearing condition: ('operationalState' NOT EQUAL 'Failed')		
Remedial action: If the alarm indicates that the CPM card has a fault, remove the card and reset it. If this does not clear the alarm then please contact Alcatel-Lucent support for assistance. If the alarm indicates that the Power Supply tray is out of service ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 6-48 EquipmentInTest

Alarm	Attributes	Applicable major NE releases
Name: EquipmentInTest (11) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: warning Implicitly cleared: true Default probable cause: equipmentInTest (9)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when equipment enters a diagnostic state.		
Raising condition: ('compositeEquipmentState' EQUAL 'In Test')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'In Test')		
Remedial action: Informational - no corrective action required.		

Table 6-49 EquipmentMismatch

Alarm	Attributes	Applicable major NE releases
Name: EquipmentMismatch (9) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: equipmentTypeMismatch (7)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMismatch.		
Raising condition: ('compositeEquipmentState' EQUAL 'Type Mismatch')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Type Mismatch')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

(2 of 2)

Table 6-50 EquipmentRemoved

Alarm	Attributes	Applicable major NE releases
Name: EquipmentRemoved (8) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: replaceableEquipmentRemoved (6)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMissing.		
Raising condition: (('compositeEquipmentState' EQUAL 'Removed') AND ('isEquipmentInserted' EQUAL 'true'))		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Removed')		
Remedial action: Informational - this alarm is raised when a card is removed.		

Table 6-51 EthernetPortConfiguredLoopback

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortConfiguredLoopback (801) Type: configurationAlarm (11) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: warning Implicitly cleared: true Default probable cause: ethernetPortConfiguredLoopback (567)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a timed loopback is in effect for an Ethernet port.		
Raising condition: (('Type' NOT EQUAL 'None'))		
Clearing condition: (('Type' EQUAL 'None'))		
Remedial action: This alarm has been raised by the node because "Timed Loopback" option of the specific port's Ethernet property has been enabled. To resolve this problem from "Ethernet" tab of "Physical Port" properties form configure "Timed Loopback" Type property as "None".		

Table 6-52 EthernetPortDuplicateLane

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortDuplicateLane (3557) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: DuplicateLane (1387)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a device reports a Duplicate Lane on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 6-53 EthernetPortHighBer

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortHighBer (307) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a device reports a high bit-error rate on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))		
Remedial action: One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 6-54 EthernetPortLocalFault

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortLocalFault (305) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: LocalFault (236)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a device reports a local fault on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))))		
Remedial action: One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

(2 of 2)

Table 6-55 EthernetPortNoAmLock

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortNoAmLock (3558) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoAmLock (1388)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a device reports a No Am Lock on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 6-56 EthernetPortNoBlockLock

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortNoBlockLock (3559) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoBlockLock (1389)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a device reports a No Block Lock on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock'))))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 6-57 EthernetPortNoFrameLock

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortNoFrameLock (306) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoFrameLock (237)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a device reports No Frame Lock on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock'))		
Remedial action: One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 6-58 EthernetPortRemoteFault

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortRemoteFault (304) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: RemoteFault (235)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a device reports a remote fault on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault'))		
Remedial action: One of the following conditions exists on the remote physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 6-59 EthernetPortSignalFailure

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortSignalFailure (303) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: SignalFailure (234)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a device reports a signal failure on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))))		
Remedial action: One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

(2 of 2)

Table 6-60 FanFailure

Alarm	Attributes	Applicable major NE releases
Name: FanFailure (624) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: fanFailure (116)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the associated fan is not operationally Up.		
Raising condition: (('Device State' EQUAL 'Failed') OR ('Device State' EQUAL 'Unknown') OR ('Device State' EQUAL 'OutOfService'))		
Clearing condition: ('Device State' EQUAL 'OK')		
Remedial action: Remove and reset the fan unit. If this does not resolve the problem replace the fan.		

Table 6-61 FanTrayRemoved

Alarm	Attributes	Applicable major NE releases
Name: FanTrayRemoved (569) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: FanTrayRemoved (438)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the deviceState attribute has a value of deviceNotEquipped.		
Raising condition: ('Device State' EQUAL 'Not Equipped')		
Clearing condition: ('Device State' NOT EQUAL 'Not Equipped')		
Remedial action: Informational - a fan tray has been removed from the NE.		

Table 6-62 ForwardingTableSizeLimitReached

Alarm	Attributes	Applicable major NE releases
Name: ForwardingTableSizeLimitReached (164) Type: resourceAlarm (28) Package: I2fwd Raised on class: I2fwd.SiteFib	Severity: major Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the number of MAC address entries in the FIB reaches or exceeds the VPLS site high watermark specified by I2fwd.SiteFib.highWatermark. The alarm clears when the number of MAC address entries in the FIB drops below the VPLS site low watermark specified by I2fwd.SiteFib.lowWatermark. The alarm can be raised against a VPLS site, L2 access interface, or spoke SDP binding.		
Raising condition: ((('Entries' >= 'Size') OR ('Entries' >= (('High Watermark' * 'Size') / 100.0))))"		
Clearing condition: ((('Entries' < 'Size') AND (('High Watermark' EQUAL '0L') OR ('Entries' < (('Low Watermark' * 'Size') / 100.0)))) AND (('Low Watermark' EQUAL '0L') OR ('Entries' < (('Low Watermark' * 'Size') / 100.0))))"		
Remedial action: Informational		

Table 6-63 FrameSizeProblem (netw)

Alarm	Attributes	Applicable major NE releases
Name: FrameSizeProblem (37) Type: configurationAlarm (11) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: frameSizeProblem (33)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a provisioned MTU size value is greater than the supported MTU size value.		
Raising condition: (('mtuMismatch' EQUAL 'true') AND ('portId' NOT EQUAL '0L'))		
Clearing condition: (('mtuMismatch' EQUAL 'false') OR ('portId' EQUAL '0L'))		
Remedial action: A configuration error has been made which must be corrected. The MTU value must be changed such that is less than or equal to the supported MTU size value.		

Table 6-64 GaPeerDown

Alarm	Attributes	Applicable major NE releases
Name: GaPeerDown (3303) Type: EpcAlarm (59) Package: Itegsn Raised on class: Itegsn.GaPeer	Severity: major Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the path management state of a Ga peer changes to a state other than Up.		
Raising condition: ('Path Management State' NOT EQUAL 'Active')		
Clearing condition: ('Path Management State' EQUAL 'Active')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

(2 of 2)

Table 6-65 IncompleteConfiguration

Alarm	Attributes	Applicable major NE releases
Name: IncompleteConfiguration (1942) Type: operationalViolation (93) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: incompleteConfig (225)	<ul style="list-style-type: none"> 4.0.0 5.0.0 6.0.0
Description: The alarm is raised when a pre-provisioned NE has no objects configured beneath it.		
Raising condition: (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' EQUAL '\'))		
Clearing condition: (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' NOT EQUAL '\'))		
Remedial action: A configuration error has been made which must be corrected. The configuration of the pre-provisioned NE is incomplete. A work order was not associated with the pre-provisioned NE and as a consequence the attempt to auto-configure the NE failed.		

Table 6-66 InterfaceDown (netw)

Alarm	Attributes	Applicable major NE releases
Name: InterfaceDown (36) Type: InterfaceAlarm (13) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> 4.0.0 5.0.0 6.0.0
Description: The alarm is raised when an interface or underlying resource fails, as indicated by an interface compositeState attribute value of failed or underlyingResourceFailed.		
Raising condition: (('compositeState' EQUAL 'Inoperable') OR ('compositeState' EQUAL 'Underlying Resource Inoperable'))		
Clearing condition: (('compositeState' NOT EQUAL 'Inoperable') AND ('compositeState' NOT EQUAL 'Underlying Resource Inoperable'))		
Remedial action: A physical port (physical interface, LAG, channel) associated with the network interface is not operation. Ensure that the interface is cabled and that there isn't a configuration error (i.e. MTU size set incorrectly) on the interface. Once the issue w		

Table 6-67 InterfaceDown (vpls)

Alarm	Attributes	Applicable major NE releases
Name: InterfaceDown (36) Type: configurationAlarm (11) Package: vpls Raised on class: vpls.L2ManagementInterface	Severity: major Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when an L2 management interface has an Operational State of Down, and the associated VPLS site has an Administrative State of Up.		
Raising condition: (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
Clearing condition: (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
Remedial action: The condition exists because the physical interface is down either because it is administratively disabled, faulty or a cabling fault has occurred. Ensure that the interface is administratively up. Check for a poor cable connection to the port or for a faulty cable/fiber. If neither appears to be the problem run diagnostics on the port to determine if it is faulty.		

Table 6-68 LagDown

Alarm	Attributes	Applicable major NE releases
Name: LagDown (20) Type: equipmentAlarm (3) Package: lag Raised on class: lag.Interface	Severity: critical Implicitly cleared: true Default probable cause: lagDown (17)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when all ports in a LAG are operationally down.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
Clearing condition: (('operationalState' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: This alarm indicates that all physical Ethernet links associated with a LAG are operationally down. The reasons for the links to be down may vary from link to link. The following possible causes of this alarm should be investigated. The physical port (near end or far end may have failed - this can be remedied by replacing the interface card in question. The physical links may have been turned down administratively - re-enable the links. A cable failure or disconnect may have occurred - please ensure that the cables are properly connected to the physical port and and that the cable has not been damaged.		

Table 6-69 LagPortAddFailed

Alarm	Attributes	Applicable major NE releases
Name: LagPortAddFailed (422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: warning Implicitly cleared: true Default probable cause: linkDown (315)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the Lag Port Add function Fails.		
Raising condition: (('state' EQUAL 'Link Down') AND ('LAG ID' > '0'))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: (('state' NOT EQUAL 'Link Down') OR ('LAG ID' EQUAL '0'))		
Remedial action: A configuration error has occurred which must be corrected. The link that was to be added to the LAG group may be of the wrong type (i.e. non ethernet) or the limit of the number of links supported in a LAG may have been reached.		

(2 of 2)

Table 6-70 LicensedLimitExceeded

Alarm	Attributes	Applicable major NE releases
Name: LicensedLimitExceeded (127) Type: licensingAlarm (23) Package: security Raised on class: security.ProductLicense	Severity: critical Implicitly cleared: true Default probable cause: licensedLimitExceeded (106)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the license items in the network exceeds 100 percent of the license capacity.		
Raising condition: ('Exceeded' EQUAL 'true')		
Clearing condition: ('Exceeded' NOT EQUAL 'true')		
Remedial action: Informational - The number of SAM licenses purchased and available on the SAM server is insufficient as compared to the number of NEs/MDA/Cells under management in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

Table 6-71 LinkDown

Alarm	Attributes	Applicable major NE releases
Name: LinkDown (12) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: portLinkProblem (10)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a port has no associated physical link or remote end point is operationally down.		
Raising condition: (('compositeEquipmentState' EQUAL 'Link Down') OR ('compositeEquipmentState' EQUAL 'Oper Down'))		
Clearing condition: (('compositeEquipmentState' NOT EQUAL 'Link Down') AND ('compositeEquipmentState' NOT EQUAL 'Oper Down'))		
Remedial action: Please make sure that port has physical link and remote end point is operationally up.		

Table 6-72 LowTemperatureDetected

Alarm	Attributes	Applicable major NE releases
Name: LowTemperatureDetected (1127) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOvercooled (838)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the chassis temperature falls below the minimum threshold.		
Raising condition: ('Low Temperature State' EQUAL 'Low')		
Clearing condition: ('Low Temperature State' NOT EQUAL 'Low')		
Remedial action: The NE has detected internal temperatures which are abnormally low. This may happen when the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 6-73 macMoveRateExceeded (service)

Alarm	Attributes	Applicable major NE releases
Name: macMoveRateExceeded (3690) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: minor Implicitly cleared: true Default probable cause: MacMoveRateExceeded (1429)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site.		
Raising condition: ('State Cause'anyBit'Relearn Limit Exceeded')		
Clearing condition: NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		
Remedial action: Informational.		

Table 6-74 macMoveRateExceededNonBlock (service)

Alarm	Attributes	Applicable major NE releases
Name: macMoveRateExceededNonBlock (4893) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: info Implicitly cleared: true Default probable cause: MacMoveRateExceededNonBlock (1951)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site when limitMacMove(sapTIsLimitMacMove) is set to 'nonBlocking'.		
Raising condition: ('State Cause'anyBit'Relearn Limit Exceeded')		
Clearing condition: NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		
Remedial action: Informational - User can adjust the value of 'MAC Move Maximum Rate' to reduce the frequency of this alarm.		

Table 6-75 MepAISReceivedAlarm

Alarm	Attributes	Applicable major NE releases
Name: MepAISReceivedAlarm (2945) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: variable Implicitly cleared: true Default probable cause: missingRemoteMep (388)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a MEP Receives AIS test frames from one or more of its sub-layer MEPs.		
Raising condition: (('AIS Received (AisRx)' EQUAL 'true') AND ('Facility VLAN ID' EQUAL '0'))		
Clearing condition: ('AIS Received (AisRx)' EQUAL 'false')		
Remedial action: This alarm indicates that it has received a MEP fault from a sub-layer MEP, user should investigate the fault cause on the sub-layer MEP and resolve this root cause issue.		

Table 6-76 MobileConnectorDown

Alarm	Attributes	Applicable major NE releases
Name: MobileConnectorDown (1064) Type: EpcAlarm (59) Package: IteService Raised on class: IteService.MobileServiceConnector	Severity: minor Implicitly cleared: true Default probable cause: EpcDown (519)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the 5620 SAM no longer manages the EPS path instance of this mobile service site. As a result, the service must be regenerated.		
Raising condition: ('EPS Path' EQUAL '\\"')		
Clearing condition: ('EPS Path' NOT EQUAL '\\"')		
Remedial action: The underlying transport network has gone down resulting in the deletion of a mobile service connector (EPS path). Correct the issue with the transport network and regenerate the mobile service connector by clicking on the re-calculate button on the mobile service properties form.		

Table 6-77 MvrConfiguredFromVplsNotExist

Alarm	Attributes	Applicable major NE releases
Name: MvrConfiguredFromVplsNotExist (219) Type: configurationAlarm (11) Package: vpls Raised on classes: <ul style="list-style-type: none"> • vpls.L2AccessInterfaceMldMvrCfg • vpls.L2AccessInterfaceMvrCfg 	Severity: warning Implicitly cleared: true Default probable cause: MvrConfiguredFromVplsNotExist (164)	<ul style="list-style-type: none"> • 5.0.0 • 6.0.0
Description: The alarm is raised when an MVR source is an MVR VPLS that does not exist. The alarm clears when the MVR VPLS is created.		
Raising condition: ('fromVplsExists' EQUAL 'false')		

(1 of 2)

6 — Alcatel-Lucent 7210 SAS E alarms

Alarm	Attributes	Applicable major NE releases
Clearing condition: (('fromVplsExists' EQUAL 'true') OR ('fromVplsId' EQUAL '0L'))		
Remedial action: Create the missing MVR VPLS.		

(2 of 2)

Table 6-78 MvrConfiguredProxySapNotExist

Alarm	Attributes	Applicable major NE releases
Name: MvrConfiguredProxySapNotExist (220) Type: configurationAlarm (11) Package: vpls Raised on classes: <ul style="list-style-type: none"> vpls.L2AccessInterfaceMldMvrCfg vpls.L2AccessInterfaceMvrCfg 	Severity: warning Implicitly cleared: true Default probable cause: MvrConfiguredProxySapNotExist (165)	<ul style="list-style-type: none"> 5.0.0 6.0.0
Description: The alarm is raised when a configured MVR proxy SAP does not exist. The alarm clears when the proxy SAP is created.		
Raising condition: ('proxySapExists' EQUAL 'false')		
Clearing condition: ('proxySapExists' EQUAL 'true')		
Remedial action: Create the missing proxy SAP.		

Table 6-79 MvrSiteDown

Alarm	Attributes	Applicable major NE releases
Name: MvrSiteDown (162) Type: ProtocolAlarm (1) Package: layer2 Raised on class: layer2.MvrSite	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> 4.0.0 5.0.0 6.0.0
Description: The alarm is raised when MVR is disabled on an NE and a TLS VLAN or MVR VLAN service is provisioned on the NE.		
Raising condition: ('MVR Admin Status' EQUAL 'Disabled')		
Clearing condition: ('MVR Admin Status' EQUAL 'Enabled')		
Remedial action: To clear the alarm, enable MVR Admin Status under the Bridge Instance.		

Table 6-80 NeManagementAndTrapManagementMismatch

Alarm	Attributes	Applicable major NE releases
Name: NeManagementAndTrapManagementMismatch (1079) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: neManagementChange (817)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: This user-defined alarm is raised when the NE configuration is one of the following: - The Active Management IP is set to Out Of Band, and the Primary Route Preference is set to In Band. - The Active Management IP is set to In Band, and the Primary Route Preference is set to Out of Band.		
Raising condition: (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only')) AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only')) AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'Out Of Band'))))		
Clearing condition: (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only')) AND ('Primary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only')) AND ('Primary Route Preference' EQUAL 'Out Of Band'))))		
Remedial action: A configuration error has been made which must be corrected. The parameters described in the description for this alarm must match.		

Table 6-81 NewSsh2ServerKeyDetected

Alarm	Attributes	Applicable major NE releases
Name: NewSsh2ServerKeyDetected (285) Type: communicationsAlarm (4) Package: security Raised on class: security.KnownHostKey	Severity: warning Implicitly cleared: true Default probable cause: ssh2ServerKeyMismatch (217)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a 5620 SAM main server detects a new public SSH key.		
Raising condition: ('SSH2 Server Key Status' EQUAL 'Mismatch SSH2 Host Key')		
Clearing condition: ('SSH2 Server Key Status' EQUAL 'Active SSH2 Host Key')		
Remedial action: Informational - possible security breach. The SSH key of the router is different from the one known to the SAM server.		

Table 6-82 NodeDatabaseFallbackDetected

Alarm	Attributes	Applicable major NE releases
Name: NodeDatabaseFallbackDetected (2923) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseFallback (1121)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a configuration fallback is detected on the node and comes back up with a previous configuration. To correct this situation it might be necessary to reconfigure the node, or perform full resync its database with the 'fallback' configuration returned by the node.		
Raising condition: ('State' EQUAL 'Node Configuration Fallback')		
Clearing condition: ('State' EQUAL 'Managed')		
Remedial action: the NE has come back to a previous configuration. Perform a manual Full Resync or a Reconfigure of the NE		

Table 6-83 NodeDatabaseMisalignmentDetected

Alarm	Attributes	Applicable major NE releases
Name: NodeDatabaseMisalignmentDetected (2924) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseMisalignment (1122)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a configuration misalignment has been detected on the node and comes back up with an unexpected configuration (configuration change triggered by external tool) To correct this situation it might be necessary to reconfigure the node with the 5620 SAM's old configuration or accept the new configuration received from the node.		
Raising condition: ('State' EQUAL 'Node Configuration Misalignment')		
Clearing condition: ('State' EQUAL 'Managed')		
Remedial action: the NE configuration is misaligned. Perform a resync in order to update SAM configuration according to the NE.		

Table 6-84 NodeRebooted

Alarm	Attributes	Applicable major NE releases
Name: NodeRebooted (32) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: false Default probable cause: nodeReboot (25)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the 5620 SAM detects an NE reboot based on the latest NE sysUpTime value.		
Remedial action: Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 6-85 NodeSuspended

Alarm	Attributes	Applicable major NE releases
Name: NodeSuspended (5123) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: NodeSuspend (2057)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the 5620 SAM detects an NE moved to suspend state as per user request.		
Raising condition: ('SNMP Reachability' EQUAL 'Suspended')		
Clearing condition: ('SNMP Reachability' NOT EQUAL 'Suspended')		
Remedial action: This alarm is raised when user suspends the network element. The alarm will be cleared when the network element is managed back.		

Table 6-86 NTPOperDown

Alarm	Attributes	Applicable major NE releases
Name: NTPOperDown (4879) Type: communicationsAlarm (4) Package: ntp Raised on class: ntp.NTP	Severity: info Implicitly cleared: true Default probable cause: NTPOperDown (1943)	<ul style="list-style-type: none"> • 5.0.0 • 6.0.0
Description: The alarm is generated when the NTP Operational State is down for NTP.		
Raising condition: (('Operational State' EQUAL 'Down') AND ('NTP State' EQUAL 'Enabled'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('NTP State' EQUAL 'Disabled'))		
Remedial action: Please check if NTP is administratively enabled (Admin State in NTP General Tab). If admin state down, enable it to make NTP operationally up.		

Table 6-87 OrphanNodeDetected

Alarm	Attributes	Applicable major NE releases
Name: OrphanNodeDetected (4866) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.AdvertisedNode	Severity: major Implicitly cleared: true Default probable cause: nodeNotManagedByAnyEms (1934)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when node is not managed by any EMS after n retries (threshold crossed) it is manually cleared by the operator or when the node is discovered.		
Raising condition: ('state' EQUAL 'orphan')		
Remedial action: The NE is not managed by any SAM. Add a discovery rule in order to manage it.		

Table 6-88 OverTemperatureDetected

Alarm	Attributes	Applicable major NE releases
Name: OverTemperatureDetected (388) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the chassis temperature exceeds the maximum threshold value.		
Raising condition: ('Over Temperature State' EQUAL 'Over')		
Clearing condition: ('Over Temperature State' NOT EQUAL 'Over')		
Remedial action: The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 6-89 PartialResyncProblem

Alarm	Attributes	Applicable major NE releases
Name: PartialResyncProblem (4401) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: partialResyncProblem (1578)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when an Partial Resync on an NE fails. For example, when resyncing only some MIB entries as opposed to a full resync. The periodic reachability test (sysUpTime) is not considered a partial resync, neither is a full resync. However, a PartialResyncProblem alarm can only be reset by a FullResync.		
Raising condition: ('partialResyncStatus' EQUAL 'Partial Resync Failed')		
Clearing condition: ('partialResyncStatus' EQUAL 'Partial Resync Done')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE.		

Table 6-90 PersistentIndexParametersMisconfigured

Alarm	Attributes	Applicable major NE releases
Name: PersistentIndexParametersMisconfigured (173) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: persistentIndexConfigurationMismatch (136)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when persistence is set to Off in the NE BOF.		
Raising condition: (('Persistent SNMP Indices' EQUAL 'False') OR (('hasRedundantProcessorCards' EQUAL 'true') AND ('Redundant Synchronization Mode' EQUAL 'None')))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: (('Persistent SNMP Indices' EQUAL 'True') AND (('hasRedundantProcessorCards' EQUAL 'false') OR ('Redundant Synchronization Mode' NOT EQUAL 'None')))		
Remedial action: A configuration error has occurred that must be corrected. Use the CLI on the NE to enable persistency in the BOF. The discovery process will complete on the next discovery scan. A re-scan can be triggered immediately for the NE from within the discovery manager		

(2 of 2)

Table 6-91 PollerProblem

Alarm	Attributes	Applicable major NE releases
Name: PollerProblem (31) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: resyncFailed (24)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
Raising condition: ('Resync Status' EQUAL 'Full Resync Failed')		
Clearing condition: ('Resync Status' EQUAL 'Full Resync Done')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 6-92 PowerSupplyFailure

Alarm	Attributes	Applicable major NE releases
Name: PowerSupplyFailure (633) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: critical Implicitly cleared: true Default probable cause: powerSupplyFailure (117)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a power-supply tray reports a failure. When the alarm is raised during device discovery, a power-supply tray may be out of service. When the alarm is raised while the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
Raising condition: (('Power Supply 1 Status' EQUAL 'Not Equipped') OR ('Power Supply 1 Status' EQUAL 'Failed'))		
Clearing condition: (('Power Supply 1 Status' EQUAL 'OK'))		
Remedial action: Ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 6-93 PowerSupplyInputFeedDown

Alarm	Attributes	Applicable major NE releases
Name: PowerSupplyInputFeedDown (5422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: minor Implicitly cleared: true Default probable cause: powerSupplyInputFeedDown (2073)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: This alarm is generated if any one of the input feeds for a given power supply is not supplying power.		
Raising condition: (('Input Feed Status' EQUAL 'Input A Down') OR ('Input Feed Status' EQUAL 'Input B Down') OR (('Input Feed Status'allBits'Input A Down') AND ('Input Feed Status'allBits'Input B Down'))		
Clearing condition: ('Input Feed Status' EQUAL 'None')		
Remedial action: Restore all of the input feeds that are not supplying power.		

Table 6-94 PowerSupplyRemoved

Alarm	Attributes	Applicable major NE releases
Name: PowerSupplyRemoved (542) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: major Implicitly cleared: true Default probable cause: PowerSupplyRemoved (415)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a chassis power supply is removed.		
Raising condition: ('Power Supply 1 Status' EQUAL 'Not Equipped')		
Clearing condition: ('Power Supply 1 Status' NOT EQUAL 'Not Equipped')		
Remedial action: To recover from this event, the customer is requested to add a new power supply to the system, or change a faulty power supply with a working one.		

Table 6-95 PppLoopbackDetected

Alarm	Attributes	Applicable major NE releases
Name: PppLoopbackDetected (362) Type: configurationAlarm (11) Package: ppp Raised on class: ppp.Interface	Severity: major Implicitly cleared: true Default probable cause: PppLoopbackDetected (259)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the value of tmnxPppLocalMagicNumber is the same as the value of tmnxPppRemoteMagicNumber, which indicates that the link may be looped back.		
Raising condition: (('Local Magic Number' EQUAL 'Remote Magic Number') AND ('Local Magic Number' NOT EQUAL '0L'))		
Clearing condition: (('Local Magic Number' NOT EQUAL 'Remote Magic Number') OR ('Local Magic Number' EQUAL '0L'))		
Remedial action: Informational.		

Table 6-96 PrimaryImageBootFailure

Alarm	Attributes	Applicable major NE releases
Name: PrimaryImageBootFailure (191) Type: configurationAlarm (11) Package: sw Raised on class: sw.CardSoftware	Severity: warning Implicitly cleared: true Default probable cause: bootOptionFileMisconfigured (150)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the primary software image specified in an NE BOF is unusable.		
Raising condition: (('imageSource' NOT EQUAL 'Primary') AND ('imageSource' NOT EQUAL 'Unknown'))		
Clearing condition: (('imageSource' EQUAL 'Primary') OR ('imageSource' EQUAL 'Unknown'))		
Remedial action: The SW image on the NE may have been inadvertently corrupted. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

Table 6-97 PrimaryPathLimitReached

Alarm	Attributes	Applicable major NE releases
Name: PrimaryPathLimitReached (457) Type: resourceAlarm (28) Package: equipment Raised on class: equipment.DaughterCard	Severity: warning Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the Ingress Multicast Path Management primary path bandwidth limit is reached.		
Raising condition: (('Primary Path Limit Override' > '0') AND ('Primary Path In use' >= (1000 * 'Primary Path Limit Override'))"		
Clearing condition: (('Primary Path Limit Override' > '0') AND ('Primary Path In use' < (1000 * 'Primary Path Limit Override'))"		
Remedial action: Informational - The alarm is raised when the Ingress Multicast Path Management primary path bandwidth limit is reached. This can be remedied by modifying the primary path limit located at T1 Paths tab of the multicast bandwidth policy which assigned to the card, or increase the primary path limit override located at the Daughter Card tab under Daughter Card Slot form.		

Table 6-98 RadiusOperStatusDown

Alarm	Attributes	Applicable major NE releases
Name: RadiusOperStatusDown (3692) Type: radiusOperStatusDownAlarm (105) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: radiusOperationStatusDown (1431)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when all RADIUS servers have gone down.		
Raising condition: ('Global RADIUS Operational State' EQUAL 'Down')		
Clearing condition: ('Global RADIUS Operational State' EQUAL 'Up')		
Remedial action: Verify the RADIUS server is properly configured and radius server state is up. Check the connectivity between SAM server and radius server configured on the Network element.		

Table 6-99 ReachabilityProblem

Alarm	Attributes	Applicable major NE releases
Name: ReachabilityProblem (243) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ReachabilityTestFailed (176)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when an Mediation poll of the SysUpTimeAlarm object on an NE fails, for example, because of network congestion or because the NE is too busy to respond. The probable cause is an unreachable NE Mediation agent on the NE. By default, the 5620 SAM polls a managed NE every two minutes. If a poll fails, the alarm is raised. The 5620 SAM polls the NE two minutes after the first failure. If successive polls fail, the 5620 SAM raises the polling interval for the NE by two minutes after each failure to a maximum of 12 min. The polling interval remains at 12 min until the 5620 SAM receives a response from the NE. The alarm clears when the 5620 SAM receives a response from the NE, and the 5620 SAM GUI icon that represents the NE turns from red to green.		
Raising condition: ('SNMP Reachability' EQUAL 'Down')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 6-100 ReconfigFailure

Alarm	Attributes	Applicable major NE releases
Name: ReconfigFailure (1949) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: failedReconfig (937)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: This alarm is raised when the reconfig action failed.		
Raising condition: ('State' EQUAL 'Failed')		
Clearing condition: ('State' NOT EQUAL 'Failed')		
Remedial action: Verify that the object is configured as expected.		

Table 6-101 RedundantMepMisconfiguration

Alarm	Attributes	Applicable major NE releases
Name: RedundantMepMisconfiguration (3631) Type: oamAlarm (18) Package: ethernetOam Raised on class: ethernetOam.Mep	Severity: minor Implicitly cleared: true Default probable cause: misconfiguredRedundantMep (1416)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when an Active and Redundant MEP do not have the same Id, Operational MAC Address or Sub Group configured.		
Raising condition: ('validRedundantMepConfig' EQUAL 'false')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: ('validRedundantMepConfig' EQUAL 'true')		
Remedial action: MC-LAG redundant MEP configuration (MEP ID or Mac Address) for Active & Standby Interfaces do not match, this could cause issues with CFM or CCM tests if Active interface changes. Delete and Re-create Standby MEP to match Active.		

(2 of 2)

Table 6-102 RedundantMepMissing

Alarm	Attributes	Applicable major NE releases
Name: RedundantMepMissing (3632) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: minor Implicitly cleared: true Default probable cause: missingRedundantMep (1417)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a MEP misses a redundant counterpart on LAG or SAP.		
Raising condition: (('MC-LAG Inactive' NOT EQUAL 'Not Applicable') AND ('Redundant MEP' EQUAL '\'))		
Clearing condition: (('MC-LAG Inactive' EQUAL 'Not Applicable') OR (('MC-LAG Inactive' NOT EQUAL 'Not Applicable') AND ('Redundant MEP' NOT EQUAL '\')))		
Remedial action: MC-LAG redundant MEP is missing Active & Standby Interfaces, this will cause issues with CFM or CCM tests if Active interface changes. Create missing Active/Standby MEP to match existing.		

Table 6-103 RemoteMepCCMAAlarm

Alarm	Attributes	Applicable major NE releases
Name: RemoteMepCCMAAlarm (502) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: major Implicitly cleared: true Default probable cause: missingRemoteMep (388)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a MEP loses connectivity with one or more remote MEPs. The Remote MEP DB State tab on a MEP lists the missing remote MEPs.		
Raising condition: ('High-Priority Defect' NOT EQUAL '0')		
Clearing condition: ('High-Priority Defect' EQUAL '0')		
Remedial action: MEP has lost communication with Remote MEP defined in Maintenance Association (MEG) Remote MEP list, Either Remote MEP list is incorrect or diagnose connection fault and resolve.		

Table 6-104 SaveConfigFailed

Alarm	Attributes	Applicable major NE releases
Name: SaveConfigFailed (105) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileAccessError (90)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the admin save command on an NE fails.		
Raising condition: ('Config Save State' EQUAL 'Failure')		
Clearing condition: ('Config Save State' EQUAL 'Success')		
Remedial action: Attempt the admin save command a second time. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 6-105 ScheduledPollerProblem

Alarm	Attributes	Applicable major NE releases
Name: ScheduledPollerProblem (4386) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: scheduledResyncFailed (1569)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
Raising condition: ('Scheduled Resync Status' EQUAL 'Scheduled Resync Failed')		
Clearing condition: ('Scheduled Resync Status' EQUAL 'Scheduled Resync Done')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 6-106 SecondaryPathLimitReached

Alarm	Attributes	Applicable major NE releases
Name: SecondaryPathLimitReached (458) Type: resourceAlarm (28) Package: equipment Raised on class: equipment.DaughterCard	Severity: warning Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the Ingress Multicast Path Management secondary path bandwidth limit is reached.		
Raising condition: (('Secondary Path Limit Override' > '0') AND ('Secondary Path In use' >= (1000 * 'Secondary Path Limit Override'))"		
Clearing condition: (('Secondary Path Limit Override' > '0') AND ('Secondary Path In use' < (1000 * 'Secondary Path Limit Override'))"		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: Informational - The alarm is raised when the Ingress Multicast Path Management secondary path bandwidth limit is reached. This can be remedied by modifying the secondary path limit located at T1 Paths tab of the multicast bandwidth policy which assigned to the card, or increase the secondary path limit override located at the Daughter Card tab under Daughter Card Slot form.		

(2 of 2)

Table 6-107 ServiceSiteDown

Alarm	Attributes	Applicable major NE releases
Name: ServiceSiteDown (97) Type: serviceAlarm (16) Package: service Raised on class: service.Site	Severity: critical Implicitly cleared: true Default probable cause: siteDown (83)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when all SAPs on a site are operationally down, or when the service tunnels for the site are operationally down.		
Raising condition: (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'All Spoke SDP Bindings are Standby'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'All Spoke SDP Bindings are Standby'))		
Remedial action: The network resources (i.e. physical ports for SAPs, or physical ports/LSP) associated with the service site should be examined to determine if/why they are operationally down. The underlying transport network supporting the site may also be unreliable.		

Table 6-108 StatsRetrieveFailed

Alarm	Attributes	Applicable major NE releases
Name: StatsRetrieveFailed (244) Type: configurationAlarm (11) Package: sw Raised on class: sw.AccountingStatsRetrievalManager	Severity: major Implicitly cleared: false Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the 5620 SAM main or auxiliary server cannot transfer an accounting file from an NE.		
Raising condition: (('Stats Retrieval State' NOT EQUAL 'Success') AND ('Stats Retrieval State' NOT EQUAL 'Not Attempted'))		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy or otherwise cannot respond to the 5620 SAM main or auxiliary server.		

Table 6-109 StpExceptionCondition

Alarm	Attributes	Applicable major NE releases
Name: StpExceptionCondition (297) Type: AccessInterfaceAlarm (32) Package: I2fwd Raised on class: I2fwd.AccessInterfaceStp	Severity: major Implicitly cleared: true Default probable cause: StpException (228)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a SAP detects an STP exception condition, for example, one-way communication or a downstream loop. The alarm clears when the STP condition changes.		
Raising condition: (('STP Exception Condition' NOT EQUAL 'None') AND ('Administrative State' EQUAL 'Up'))		
Clearing condition: (('STP Exception Condition' EQUAL 'None') OR ('Administrative State' EQUAL 'Down'))		
Remedial action: Check 'STP Exception Condition' field for more details and fix the STP exception.		

Table 6-110 StpRootGuardViolation

Alarm	Attributes	Applicable major NE releases
Name: StpRootGuardViolation (503) Type: AccessInterfaceAlarm (32) Package: I2fwd Raised on class: I2fwd.AccessInterfaceStp	Severity: warning Implicitly cleared: true Default probable cause: spanningTreeTopologyChanged (331)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a SAP detects an STP root guard violation.		
Raising condition: ('Root Guard Violation' EQUAL 'true')		
Clearing condition: ('Root Guard Violation' NOT EQUAL 'true')		
Remedial action: Set 'Root Guard' to false if not necessary.		

Table 6-111 SubscriberSystemNextHopUsageHigh

Alarm	Attributes	Applicable major NE releases
Name: SubscriberSystemNextHopUsageHigh (5157) Type: thresholdCrossed (6) Package: netw Raised on class: netw.NetworkElement	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit.		
Raising condition: ('IP Next Hop Usage High' EQUAL 'true')		
Clearing condition: ('IP Next Hop Usage High' EQUAL 'false')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit. There is no immediate effect, but when the usage actually hits the limit, new hosts will not get their managed routes.		

(2 of 2)

Table 6-112 TemperatureThresholdCrossed

Alarm	Attributes	Applicable major NE releases
Name: TemperatureThresholdCrossed (7) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Environment	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a temperature crosses a threshold.		
Raising condition: ('temperatureThresholdCrossed' EQUAL 'true')		
Clearing condition: ('temperatureThresholdCrossed' EQUAL 'false')		
Remedial action: The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 6-113 TmnxEqPortEtherLoopDetected

Alarm	Attributes	Applicable major NE releases
Name: TmnxEqPortEtherLoopDetected (461) Type: portEtherLoopDetected (48) Package: ethernetEquipment Raised on class: ethernetEquipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a device detects a physical loop on an Ethernet port.		
Raising condition: (('Down When Looped Status' EQUAL 'Loop Detected'))		
Clearing condition: (('Down When Looped Status' EQUAL 'No Loop Detected'))		
Remedial action: An Ethernet port has been mis-cabled - please remove the loopback cable on the port.		

Table 6-114 TrapDestinationMisconfigured

Alarm	Attributes	Applicable major NE releases
Name: TrapDestinationMisconfigured (33) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: trapDestinationMisconfigured (26) Applicable probable causes: <ul style="list-style-type: none"> trapDestinationMisconfigured duplicateTrapLogId 	<ul style="list-style-type: none"> 4.0.0 5.0.0 6.0.0
Description: The alarm is raised when the 5620 SAM cannot be added to the NE's SNMP trap destinations.		
Raising condition: ('isTrapDestinationMisconfigured' EQUAL 'true')		
Clearing condition: ('isTrapDestinationMisconfigured' EQUAL 'false')		
Remedial action: A configuration error has been made which must be corrected. The SNMP trap destination on the NE must be configured to the IP address of the SAM server.		

Table 6-115 TrapReceivingFailure

Alarm	Attributes	Applicable major NE releases
Name: TrapReceivingFailure (1083) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: false Default probable cause: trapsWillNotBeSent (822)	<ul style="list-style-type: none"> 4.0.0 5.0.0 6.0.0
Description: This user-defined alarm is raised when the NE is unable to send traps because the NE configuration is one of the following: - The Management IP Selection is set to Out Of Band Only, the Primary Route Preference is set to In Band, and the Secondary Route Preference is set to None. - The Management IP Selection is set to In Band Only, the Primary Route Preference is set to Out Of Band, and the Secondary Route Preference is set to None.		
Raising condition: (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
Clearing condition: (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND (('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND (('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND (('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND (('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND (('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band'))))		
Remedial action: A configuration error has been made which must be corrected. The configuration error must be corrected per the discussion in the description for this alarm.		

Table 6-116 TrapRoutePreferenceRedundancyMissing

Alarm	Attributes	Applicable major NE releases
Name: TrapRoutePreferenceRedundancyMissing (1084) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: trapsRedundancyMissing (823)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The user-defined alarm is raised when NE management redundancy is configured without trap route preference redundancy.		
Raising condition: (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
Clearing condition: (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Secondary Route Preference' NOT EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Secondary Route Preference' NOT EQUAL 'None'))))		
Remedial action: A configuration error has been made which must be corrected. The IP address of the standby SAM server must be configured on the NE in question.		

Table 6-117 UnidentifiedNode

Alarm	Attributes	Applicable major NE releases
Name: UnidentifiedNode (1922) Type: communicationsAlarm (4) Package: netw Raised on class: netw.DiscoveredNode	Severity: major Implicitly cleared: true Default probable cause: unidentifiedNode (922)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the node being discovered can not be properly identified.		
Raising condition: ('State' EQUAL 'Pending Identification')		
Clearing condition: ('State' NOT EQUAL 'Pending Identification')		
Remedial action: A configuration error has occurred that must be corrected. The eNodeB does not have a system name. The name can be configured by selecting the alarm, opening the associated properties form for the alarmed object and configuring the system name.		

Table 6-118 UnmanageFailed

Alarm	Attributes	Applicable major NE releases
Name: UnmanageFailed (300) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.NodeDiscoveryControl	Severity: warning Implicitly cleared: true Default probable cause: unableToDeleteNode (231)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when an attempt to unmanage an NE fails.		

(1 of 2)

6 — Alcatel-Lucent 7210 SAS E alarms

Alarm	Attributes	Applicable major NE releases
Raising condition: ('Site State' EQUAL 'unmanage failed')		
Clearing condition: ('Site State' NOT EQUAL 'unmanage failed')		
Remedial action: Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

(2 of 2)

Table 6-119 unsupportedPortUsage

Alarm	Attributes	Applicable major NE releases
Name: unsupportedPortUsage (5184) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: warning Implicitly cleared: true Default probable cause: incompatiblePortUsage (2100)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised in case unsupported port type is configured		
Raising condition: (('portId' >= '1L') AND ('portId' <= '4L') AND ('specificCardType' EQUAL 'EASv2') AND (('Port Usage' EQUAL 'MPT-HC') OR ('Port Usage' EQUAL 'MPT-MC')))"		
Clearing condition: NOT (((('portId' >= '1L') AND ('portId' <= '4L') AND ('specificCardType' EQUAL 'EASv2') AND (('Port Usage' EQUAL 'MPT-HC') OR ('Port Usage' EQUAL 'MPT-MC')))))"		
Remedial action: This alarm indicates unsupported port usage. Port usage configured on the NE is not supported by SAM.		

Table 6-120 UpgradedBuildVersionMismatch

Alarm	Attributes	Applicable major NE releases
Name: UpgradedBuildVersionMismatch (174) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: upgradedImageNotBooted (137)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the software version that an NE reports after a software upgrade does not match the version of the software used for the upgrade.		
Raising condition: ('upgradedBuildVersionMismatch' EQUAL 'true')		
Clearing condition: ('upgradedBuildVersionMismatch' EQUAL 'false')		
Remedial action: Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 6-121 upgradedCardAlarm

Alarm	Attributes	Applicable major NE releases
Name: upgradedCardAlarm (255) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: upgradedCard (194)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the standby CPM is rebooted and operational after a software upgrade. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
Raising condition: ('operationalState' EQUAL 'Upgrade')		
Clearing condition: ('operationalState' EQUAL 'Up')		
Remedial action: Informational - no corrective action required.		

Table 6-122 VersionConfigRestoreFailed

Alarm	Attributes	Applicable major NE releases
Name: VersionConfigRestoreFailed (536) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: versionMismatch (405)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the restore procedure on an NE fails because of a mismatch between the backup file set version and the NE software version.		
Raising condition: ('lastNmsVersionRestoreState' EQUAL 'Failure')		
Clearing condition: ('lastNmsVersionRestoreState' EQUAL 'Success')		
Remedial action: The backup files being restored do not match with the version of node software release. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

Table 6-123 WrongCpaaSoftwareVersion

Alarm	Attributes	Applicable major NE releases
Name: WrongCpaaSoftwareVersion (791) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: wrongCpaaSoftwareVersion (559)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the 7701 CPAA software is the wrong version and requires an upgrade.		
Raising condition: (('Software Version' EQUAL '"TIMOS-B-3.0.Generic "') AND ('Chassis Type' EQUAL '7701 CPAA'))		
Clearing condition: (('Software Version' NOT EQUAL '"TIMOS-B-3.0.Generic "') AND ('Chassis Type' EQUAL '7701 CPAA'))		
Remedial action: The SW version of the CPAA must be upgraded to the version compatible with CPAM version.		

Table 6-124 XplError

Alarm	Attributes	Applicable major NE releases
Name: XplError (573) Type: hardwareAnomaly (55) Package: equipment Raised on class: equipment.DaughterCard	Severity: minor Implicitly cleared: true Default probable cause: xplError (443)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when an MDA reports persistent XPL Errors.		
Raising condition: ('Number Of Notifications' NOT EQUAL '0')		
Clearing condition: ('Number Of Notifications' EQUAL '0')		
Remedial action: Informational - if the condition persists then the MDA indicated in the alarm should be replaced.		

7 — Alcatel-Lucent 7210 SAS M alarms



Note — Some alarms that the 5620 SAM can raise against this device may not be listed in this chapter. Associating alarms with specific NE types is an ongoing Alcatel-Lucent effort. If the 5620 SAM raises an alarm against this device type, and the alarm is not described in this chapter, see chapter 35 for information about the alarm.

Table 7-1 AccessInterfaceDown

Alarm	Attributes	Applicable major NE releases
Name: AccessInterfaceDown (249) Type: AccessInterfaceAlarm (32) Package: service Raised on class: service.AccessInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when an L2 or L3 interface operational state is Down. The alarm is not raised against an L2 access interface that is associated with an MC ring or MC LAG in the standby state.		
Raising condition: (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'Standby For MC-Ring') AND ('State Cause' NOT EQUAL 'Standby For MC-Lag') AND ('State Cause' NOT EQUAL 'Standby For BGP Multi-homing'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'Standby For MC-Ring') OR ('State Cause' EQUAL 'Standby For MC-Lag') OR ('State Cause' EQUAL 'Standby For BGP Multi-homing'))		
Remedial action: The condition exists because the physical interface is down either because it is administratively disabled, faulty or a cabling fault has occurred. Ensure that the interface is administratively up. Check for a poor cable connection to the port or for a faulty cable/fiber. If neither appears to be the problem run diagnostics on the port to determine if it is faulty.		

Table 7-2 ActiveAbnormalCondition

Alarm	Attributes	Applicable major NE releases
Name: ActiveAbnormalCondition (3938) Type: activeAbnormalConditionAlarm (116) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ActiveAbnormalConditionState (1520)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is an indication for abnormal condition on NE.		
Raising condition: ('abnormalCondition' EQUAL 'true')		
Clearing condition: ('abnormalCondition' EQUAL 'false')		
Remedial action: This alarm is raised when there is a abnormal state indication on NE.		

Table 7-3 AGWDiameterPeerDown

Alarm	Attributes	Applicable major NE releases
Name: AGWDiameterPeerDown (844) Type: EpcAlarm (59) Package: lte Raised on class: lte.AGWDiameterPeer	Severity: variable Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the path management state of a Diameter peer changes to a state other than Up.		
Raising condition: ('Path Diameter Management State' NOT EQUAL 'Active')		
Clearing condition: ('Path Diameter Management State' EQUAL 'Active')		
Remedial action: A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

Table 7-4 AncillaryPathLimitReached

Alarm	Attributes	Applicable major NE releases
Name: AncillaryPathLimitReached (459) Type: resourceAlarm (28) Package: equipment Raised on class: equipment.DaughterCard	Severity: warning Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the Ingress Multicast Path Management ancillary path bandwidth limit is reached.		
Raising condition: (('Ancillary Path Limit Override' > '0') AND ('Ancillary Path In use' >= (1000 * 'Ancillary Path Limit Override'))"		
Clearing condition: (('Ancillary Path Limit Override' > '0') AND ('Ancillary Path In use' < (1000 * 'Ancillary Path Limit Override'))"		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: Informational - The alarm is raised when the Ingress Multicast Path Management ancillary path bandwidth limit is reached. This can be remedied by modifying the ancillary path limit located at T1 Paths tab of the multicast bandwidth policy which assigned to the card, or increase the ancillary path limit override located at the Daughter Card tab under Daughter Card Slot form.		

(2 of 2)

Table 7-5 AreaTypeMismatch

Alarm	Attributes	Applicable major NE releases
Name: AreaTypeMismatch (38) Type: configurationAlarm (11) Package: ospf Raised on class: ospf.Area	Severity: warning Implicitly cleared: true Default probable cause: areaTypeMisconfigured (34)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when an OSPF area on one NE is configured as an NSSA and the same OSPF area on another NE is configured as a stub area.		
Raising condition: ('Type Mismatch' EQUAL 'true')		
Clearing condition: ('Type Mismatch' EQUAL 'false')		
Remedial action: A configuration error has been made which must be corrected. The OSPF area type configured for the NE does not match with the same OSPF area configured on another NE. Compare the configuration on the endpoint and correct the mismatch.		

Table 7-6 AsymmetricalConfig (multichassis)

Alarm	Attributes	Applicable major NE releases
Name: AsymmetricalConfig (295) Type: configurationAlarm (11) Package: multichassis Raised on classes: <ul style="list-style-type: none"> • multichassis.AbstractMultiChassisLag • multichassis.MultiChassisLagMember • multichassis.AbstractMultiChassisPeer 	Severity: major Implicitly cleared: true Default probable cause: asymmetricalConfig (226)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when there is a peer configuration mismatch that prevents MC operation.		
Raising condition: ('Config Mismatches' NOT EQUAL '0L')		
Clearing condition: ('Config Mismatches' EQUAL '0L')		
Remedial action: Check configurations on both members to see anything not matched.		

Table 7-7 AuthKeyConflict (rsvp)

Alarm	Attributes	Applicable major NE releases
Name: AuthKeyConflict (5188) Type: processingErrorAlarm (81) Package: rsvp Raised on class: rsvp.AuthenticationKey	Severity: warning Implicitly cleared: true Default probable cause: AuthKeyConflict (2103)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when both Authentication Key and RSVP Keychain are configured. RSVP Keychain will be used.		
Raising condition: (('RSVP Keychain' NOT EQUAL \"\") AND ('enableAuthentication' EQUAL 'true'))		
Clearing condition: (('RSVP Keychain' EQUAL \"\") OR ('enableAuthentication' NOT EQUAL 'true'))		
Remedial action: Authentication Key and RSVP Keychain are both configured. RSVP Keychain will be used. The alarm is cleared when only one is configured.		

Table 7-8 AuxiliaryServerStatus

Alarm	Attributes	Applicable major NE releases
Name: AuxiliaryServerStatus (311) Type: communicationsAlarm (4) Package: server Raised on class: server.AuxiliaryServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a 5620 SAM main server cannot communicate with an auxiliary server. The alarm clears when communication is restored.		
Raising condition: ('Server Status' EQUAL 'Down')		
Clearing condition: ('Server Status' EQUAL 'Up')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the AUX and SAM servers is unreliable.		

Table 7-9 BfdInterfaceConnectionBroken

Alarm	Attributes	Applicable major NE releases
Name: BfdInterfaceConnectionBroken (3329) Type: serviceAlarm (16) Package: vrrp Raised on class: vrrp.BfdInterface	Severity: minor Implicitly cleared: true Default probable cause: bfdSessionConnectionBroken (593)	<ul style="list-style-type: none"> • 5.0.0 • 6.0.0
Description: The alarm is raised when the BFD connection to a peer times out.		
Raising condition: ('Operational State' EQUAL 'Timed Out')		
Clearing condition: ('Operational State' NOT EQUAL 'Timed Out')		
Remedial action: Check the peer router, fix the BFD connection		

Table 7-10 BfdInterfaceConnectionDown

Alarm	Attributes	Applicable major NE releases
Name: BfdInterfaceConnectionDown (3330) Type: serviceAlarm (16) Package: vrrp Raised on class: vrrp.BfdInterface	Severity: minor Implicitly cleared: true Default probable cause: bfdSessionDown (346)	<ul style="list-style-type: none"> 5.0.0 6.0.0
Description: The alarm is raised when the Operational State of a BFD session is Not Connected.		
Raising condition: ('Operational State' NOT EQUAL 'Operational')		
Clearing condition: ('Operational State' EQUAL 'Operational')		
Remedial action: Check the BFD interface configuration, fix the BFD connection		

Table 7-11 BfdInterfaceConnectionPeerDetectsDown

Alarm	Attributes	Applicable major NE releases
Name: BfdInterfaceConnectionPeerDetectsDown (3331) Type: serviceAlarm (16) Package: vrrp Raised on class: vrrp.BfdInterface	Severity: minor Implicitly cleared: true Default probable cause: bfdSessionConnectionPeerDetectsDown (594)	<ul style="list-style-type: none"> 5.0.0 6.0.0
Description: The alarm is raised when a BFD peer detects a connection timeout.		
Raising condition: ('Operational State' EQUAL 'Down')		
Clearing condition: ('Operational State' NOT EQUAL 'Down')		
Remedial action: Fix the BFD connection		

Table 7-12 BgpDown

Alarm	Attributes	Applicable major NE releases
Name: BgpDown (6) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> 4.0.0 5.0.0 6.0.0
Description: The alarm is raised when a BGP instance has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: The BGP protocol entity is down - administratively disable BGP and re-enable. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 7-13 BITS2NotQualified

Alarm	Attributes	Applicable major NE releases
Name: BITS2NotQualified (1941) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: timingReferenceNotQualified (418)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the BITS-2 timing reference on an NE is not in the Qualified state.		
Raising condition: (('Qualified For Use' EQUAL 'Not Qualified') AND ('Input Administrative State' NOT EQUAL 'Down'))		
Clearing condition: (('Qualified For Use' NOT EQUAL 'Not Qualified') OR ('Input Administrative State' EQUAL 'Down'))		
Remedial action: Make sure that BITS2 is qualified		

Table 7-14 BITSNotQualified

Alarm	Attributes	Applicable major NE releases
Name: BITSNotQualified (547) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: timingReferenceNotQualified (418)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the BITS timing reference on an NE is not in the Qualified state.		
Raising condition: (('Qualified For Use' EQUAL 'Not Qualified') AND ('Output Administrative State' NOT EQUAL 'Down'))		
Clearing condition: (('Qualified For Use' NOT EQUAL 'Not Qualified') OR ('Output Administrative State' EQUAL 'Down'))		
Remedial action: Make sure that BITS is qualified		

Table 7-15 BITSReferenceLossOfSignal

Alarm	Attributes	Applicable major NE releases
Name: BITSReferenceLossOfSignal (1950) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: BITSReferenceLossOfSignal (938)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the BITS reference on an NE is not qualified due to Loss of Signal.		
Raising condition: (('Not Qualified Due To'anyBit'LOS'))		
Clearing condition: NOT (((('Not Qualified Due To'anyBit'LOS'))))		
Remedial action: Make sure that peer connected to BITS is properly configured.		

Table 7-16 BITSReferenceOutOfFrequency

Alarm	Attributes	Applicable major NE releases
Name: BITSReferenceOutOfFrequency (1951) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: BITSReferenceOutOfFrequency (939)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the BITS Reference on an NE is not qualified due to Out of frequency.		
Raising condition: (('Not Qualified Due To'anyBit'OOF'))		
Clearing condition: NOT (('Not Qualified Due To'anyBit'OOF'))		
Remedial action: Make sure that frequency configured for BITS is correct.		

Table 7-17 BITSReferenceOutOfPollInRange

Alarm	Attributes	Applicable major NE releases
Name: BITSReferenceOutOfPollInRange (1952) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: BITSReferenceOutOfPollInRange (940)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the BITS Reference on an NE is not qualified state due to Out of poll in range.		
Raising condition: (('Not Qualified Due To'anyBit'OOPIR'))		
Clearing condition: NOT (('Not Qualified Due To'anyBit'OOPIR'))		
Remedial action: Check the BITS is configured correctly. Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary		

Table 7-18 BootableConfigBackupFailed

Alarm	Attributes	Applicable major NE releases
Name: BootableConfigBackupFailed (103) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the 5620 SAM fails to back up a set of NE configuration files.		
Raising condition: ('Backup State' EQUAL 'Failure')		
Clearing condition: ('Backup State' EQUAL 'Success')		
Remedial action: Investigation is required to resolve the following possible scenarios: insufficient disk space is available to accommodate the NE configuration files (additional SAM platform alarms will accompany this alarm); the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

7 — Alcatel-Lucent 7210 SAS M alarms

Table 7-19 BootableConfigRestoreFailed

Alarm	Attributes	Applicable major NE releases
Name: BootableConfigRestoreFailed (104) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the 5620 SAM fails to restore a set of NE configuration files.		
Raising condition: ('Restore State' EQUAL 'Failure')		
Clearing condition: ('Restore State' EQUAL 'Success')		
Remedial action: Investigation is required to resolve the following possible scenarios: the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

Table 7-20 BootParametersMisconfigured

Alarm	Attributes	Applicable major NE releases
Name: BootParametersMisconfigured (35) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: persistentIndexFailure (30) Applicable probable causes: <ul style="list-style-type: none"> • persistentIndexFailure • configFileBootFailure 	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the SNMP Index Boot Status on an NE is not set to Persistent.		
Raising condition: (('isGenericNode' EQUAL 'false') AND ('State' NOT EQUAL 'Pre-provisioned') AND (('Config File Status' NOT EQUAL 'Executed Successfully') OR ('Persistent Index Status' NOT EQUAL 'Rebuild Succeeded')))		
Clearing condition: (('Config File Status' EQUAL 'Executed Successfully') AND ('Persistent Index Status' EQUAL 'Rebuild Succeeded'))		
Remedial action: Ensure that "SNMP Index Boot Status" is persistent (using cli command "show system information" on the NE). If not, unmanage the network element from SAM, ensure that "persist on" is set in the bof file, save the bof, save a config file, verify that an index file (.ndx) is saved as well, reboot the router, verify that SNMP Index Boot Status is persistent and finally remanage the router from SAM.		

Table 7-21 CesBfrOverrun

Alarm	Attributes	Applicable major NE releases
Name: CesBfrOverrun (448) Type: communicationsAlarm (4) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: major Implicitly cleared: true Default probable cause: bufferOverrun (322)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the 5620 SAM detects a jitter buffer overrun.		
Raising condition: (('Report Alarm Status'anyBit'Buffer Overrun') AND ('Report Alarm'anyBit'Buffer Overrun'))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: NOT (((('Report Alarm Status'anyBit'Buffer Overrun') AND ('Report Alarm'anyBit'Buffer Overrun'))))		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

(2 of 2)

Table 7-22 CesBfrUnderrun

Alarm	Attributes	Applicable major NE releases
Name: CesBfrUnderrun (449) Type: communicationsAlarm (4) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: major Implicitly cleared: true Default probable cause: bufferOverrun (322)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the 5620 SAM detects a jitter buffer underrun.		
Raising condition: (('Report Alarm Status'anyBit'Buffer Underrun') AND ('Report Alarm'anyBit'Buffer Underrun'))		
Clearing condition: NOT (((('Report Alarm Status'anyBit'Buffer Underrun') AND ('Report Alarm'anyBit'Buffer Underrun'))))		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 7-23 CesMalformedPkts

Alarm	Attributes	Applicable major NE releases
Name: CesMalformedPkts (446) Type: communicationsAlarm (4) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: major Implicitly cleared: true Default probable cause: malformedPackets (320)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the 5620 SAM detects one or more malformed packets.		
Raising condition: (('Report Alarm Status'anyBit'Malformed Packets') AND ('Report Alarm'anyBit'Malformed Packets'))		
Clearing condition: NOT (((('Report Alarm Status'anyBit'Malformed Packets') AND ('Report Alarm'anyBit'Malformed Packets'))))		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 7-24 CesPktLoss

Alarm	Attributes	Applicable major NE releases
Name: CesPktLoss (447) Type: communicationsAlarm (4) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: major Implicitly cleared: true Default probable cause: lossOfPacket (321)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the 5620 SAM detects a packet loss.		
Raising condition: (('Report Alarm Status'anyBit'Packet Loss') AND ('Report Alarm'anyBit'Packet Loss'))		
Clearing condition: NOT (((('Report Alarm Status'anyBit'Packet Loss') AND ('Report Alarm'anyBit'Packet Loss'))		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 7-25 CesRmtPktLoss

Alarm	Attributes	Applicable major NE releases
Name: CesRmtPktLoss (450) Type: communicationsAlarm (4) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: minor Implicitly cleared: true Default probable cause: farEndLossOfPacket (323)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the 5620 SAM detects a remote packet loss.		
Raising condition: (('Report Alarm Status'anyBit'Remote Packet Loss') AND ('Report Alarm'anyBit'Remote Packet Loss'))		
Clearing condition: NOT (((('Report Alarm Status'anyBit'Remote Packet Loss') AND ('Report Alarm'anyBit'Remote Packet Loss'))		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 7-26 CesRmtRdi

Alarm	Attributes	Applicable major NE releases
Name: CesRmtRdi (452) Type: configurationAlarm (11) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: minor Implicitly cleared: false Default probable cause: farEndRdi (325)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the 5620 SAM detects a remote RDI.		
Raising condition: (('Report Alarm Status'anyBit'Remote RDI') AND ('Report Alarm'anyBit'Remote RDI'))		
Clearing condition: NOT (((('Report Alarm Status'anyBit'Remote RDI') AND ('Report Alarm'anyBit'Remote RDI'))		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 7-27 CesRmtTdmFault

Alarm	Attributes	Applicable major NE releases
Name: CesRmtTdmFault (451) Type: configurationAlarm (11) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: minor Implicitly cleared: false Default probable cause: tdmFarEndFault (324)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the 5620 SAM detects a remote TDM fault.		
Raising condition: (('Report Alarm Status'anyBit'Remote TDM Fault') AND ('Report Alarm'anyBit'Remote TDM Fault'))		
Clearing condition: NOT (((('Report Alarm Status'anyBit'Remote TDM Fault') AND ('Report Alarm'anyBit'Remote TDM Fault'))))		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 7-28 CesStrayPkts

Alarm	Attributes	Applicable major NE releases
Name: CesStrayPkts (445) Type: communicationsAlarm (4) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: minor Implicitly cleared: true Default probable cause: strayPackets (319)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the 5620 SAM detects received stray packets.		
Raising condition: (('Report Alarm Status'anyBit'Stray Packets') AND ('Report Alarm'anyBit'Stray Packets'))		
Clearing condition: NOT (((('Report Alarm Status'anyBit'Stray Packets') AND ('Report Alarm'anyBit'Stray Packets'))))		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 7-29 CircuitStpExceptionCondition

Alarm	Attributes	Applicable major NE releases
Name: CircuitStpExceptionCondition (648) Type: SdpBindingAlarm (30) Package: l2fwd Raised on class: l2fwd.CircuitStp	Severity: major Implicitly cleared: true Default probable cause: StpException (228)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when an NE detects an STP exception condition on a SAP, for example, one-way communication or a downstream loop. The alarm clears when the STP status changes.		
Raising condition: (('STP Exception Condition' NOT EQUAL 'None') AND ('Administrative State' EQUAL 'Up'))		
Clearing condition: (('STP Exception Condition' EQUAL 'None') OR ('Administrative State' EQUAL 'Down'))		
Remedial action: Check 'STP Exception Condition' field for more details and fix the STP exception.		

Table 7-30 ClientDelegateServerStatus

Alarm	Attributes	Applicable major NE releases
Name: ClientDelegateServerStatus (731) Type: communicationsAlarm (4) Package: server Raised on class: server.ClientDelegateServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a client delegate server is unreachable.		
Raising condition: ('Server Status' EQUAL 'Down')		
Clearing condition: ('Server Status' EQUAL 'Up')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the client delegate platform and SAM servers is unreliable or the client delegate server itself is unreliable.		

Table 7-31 ContainingEquipmentAdministrativelyDown

Alarm	Attributes	Applicable major NE releases
Name: ContainingEquipmentAdministrativelyDown (466) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: minor Implicitly cleared: true Default probable cause: containingEquipmentAdministrativelyDown (330)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentAdministrativelyDown.		
Raising condition: (('Status' EQUAL 'Parent Admin Down') AND ('isTerminatable' EQUAL 'true'))		
Clearing condition: (('Status' NOT EQUAL 'Parent Admin Down') OR ('isTerminatable' NOT EQUAL 'true'))		
Remedial action: Informational - no corrective action required.		

Table 7-32 ContainingEquipmentMismatch

Alarm	Attributes	Applicable major NE releases
Name: ContainingEquipmentMismatch (464) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentMismatch (328)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentMismatch.		
Raising condition: (('Status' EQUAL 'Parent Type Mismatch') AND ('isTerminatable' EQUAL 'true'))		
Clearing condition: (('Status' NOT EQUAL 'Parent Type Mismatch') OR ('isTerminatable' NOT EQUAL 'true'))		
Remedial action: A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

Table 7-33 ContainingEquipmentOperationallyDown

Alarm	Attributes	Applicable major NE releases
Name: ContainingEquipmentOperationallyDown (465) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentDown (329)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentOperationallyDown.		
Raising condition: (('Status' EQUAL 'Parent Oper Down') AND ('isTerminatable' EQUAL 'true'))		
Clearing condition: (('Status' NOT EQUAL 'Parent Oper Down') OR ('isTerminatable' NOT EQUAL 'true'))		
Remedial action: The operational state of the equipment element indicated in the alarm is down. This may be due to the element's administrative state or it may indicate that the element has failed.		

Table 7-34 CorruptImageFile

Alarm	Attributes	Applicable major NE releases
Name: CorruptImageFile (171) Type: configurationAlarm (11) Package: mediation Raised on class: mediation.AbstractSoftwareFolderDescriptor	Severity: critical Implicitly cleared: true Default probable cause: invalidOrCorruptImageFile (134)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when one or more files in the 5620 SAM software image specified for a device software upgrade is invalid, corrupt or absent. The 5620 SAM validates a device software file set before it imports the file set and distributes it to an NE. Ensure that the file set downloads properly to the NE and is not tampered with before you re-attempt the upgrade. The alarm clears when a valid file set is on the NE and the 5620 SAM activates the software image in the file set.		
Raising condition: ('isImageValid' EQUAL 'false')		
Clearing condition: ('isImageValid' EQUAL 'true')		
Remedial action: The existing SW image in the SAM database should be replaced with an image that is known to be complete and valid.		

Table 7-35 DaughterCardConfigMissing

Alarm	Attributes	Applicable major NE releases
Name: DaughterCardConfigMissing (4403) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.DaughterCardSlot	Severity: critical Implicitly cleared: false Default probable cause: DaughterCardConfigMissing (1579)	<ul style="list-style-type: none"> • 5.0.0
Description: The alarm is raised when a supported MDA is inserted into a slot, but the current configuration is not sufficient for the MDA to operate.		

(1 of 2)

7 – Alcatel-Lucent 7210 SAS M alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: A configuration error has occurred which must be corrected. The BOF configuration must be changed to include no-service-ports.		

(2 of 2)

Table 7-36 DDMAux1HighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMAux1HighAlarm (495) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: aux1HighAlarm (381)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the manufacturer-specific Auxiliary 1 of the XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux1 High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux1 High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 7-37 DDMAux1HighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMAux1HighWarning (494) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: aux1HighWarning (380)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the manufacturer-specific Auxiliary 1 of the XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux1 High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux1 High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 7-38 DDMAux1LowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMAux1LowAlarm (493) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: aux1LowAlarm (379)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the manufacturer-specific Auxiliary 1 of the XFP reaches the minimum threshold value.		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Raising condition: ('failedThresholds'anyBit'Aux1 Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux1 Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

(2 of 2)

Table 7-39 DDMAux1LowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMAux1LowWarning (492) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: aux1LowWarning (378)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the manufacturer-specific Auxiliary 1 of the XFP approaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux1 Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux1 Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 7-40 DDMAux2HighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMAux2HighAlarm (499) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: aux2HighAlarm (385)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the manufacturer-specific Auxiliary 2 of the XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux2 High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux2 High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 7-41 DDMAux2HighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMAux2HighWarning (498) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: aux2HighWarning (384)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the manufacturer-specific Auxiliary 2 of the XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux2 High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux2 High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 7-42 DDMAux2LowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMAux2LowAlarm (497) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: aux2LowAlarm (383)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the manufacturer-specific Auxiliary 2 of the XFP reaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux2 Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux2 Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 7-43 DDMAux2LowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMAux2LowWarning (496) Type: communicatiothresholdAlarmnsAlarm (50) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: aux2LowWarning (382)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the manufacturer-specific Auxiliary 2 of the XFP approaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux2 Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux2 Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 7-44 DDMRxOpticalPowerHighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMRxOpticalPowerHighAlarm (491) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: rxOpticalPowerHighAlarm (377)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the received optical power of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Rx Optical Power High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Rx Optical Power High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 7-45 DDMRxOpticalPowerHighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMRxOpticalPowerHighWarning (490) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: rxOpticalPowerHighWarning (376)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the received optical power of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Rx Optical Power High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Rx Optical Power High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 7-46 DDMRxOpticalPowerLowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMRxOpticalPowerLowAlarm (489) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: rxOpticalPowerLowAlarm (375)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the received optical power of an SFP or XFP reaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBit'Rx Optical Power Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Rx Optical Power Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 7-47 DDMRxOpticalPowerLowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMRxOpticalPowerLowWarning (488) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: rxOpticalPowerLowWarning (374)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the received optical power of an SFP or XFP approaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBitRx Optical Power Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBitRx Optical Power Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 7-48 DDMSupplyVoltageHighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMSupplyVoltageHighAlarm (479) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: supplyVoltageHighAlarm (365)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the supply voltage of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBitSupply Voltage High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBitSupply Voltage High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 7-49 DDMSupplyVoltageHighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMSupplyVoltageHighWarning (478) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: supplyVoltageHighWarning (364)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the supply voltage of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBitSupply Voltage High Warning')		
Clearing condition: NOT (('failedThresholds'anyBitSupply Voltage High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 7-50 DDMSupplyVoltageLowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMSupplyVoltageLowAlarm (477) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: supplyVoltageLowAlarm (363)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the supply voltage of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Supply Voltage Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Supply Voltage Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 7-51 DDMSupplyVoltageLowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMSupplyVoltageLowWarning (476) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: supplyVoltageLowWarning (362)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the supply voltage of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Supply Voltage Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Supply Voltage Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 7-52 DDMTemperatureHighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTemperatureHighAlarm (475) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: temperatureHighAlarm (361)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the temperature of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Temperature High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Temperature High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 7-53 DDMTemperatureHighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTemperatureHighWarning (474) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: temperatureHighWarning (360)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the temperature of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Temperature High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Temperature High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 7-54 DDMTemperatureLowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTemperatureLowAlarm (473) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: temperatureLowAlarm (359)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the temperature of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Temperature Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Temperature Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 7-55 DDMTemperatureLowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTemperatureLowWarning (472) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: temperatureLowWarning (358)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the temperature of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Temperature Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Temperature Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 7-56 DDMTxBiasCurrentHighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTxBiasCurrentHighAlarm (483) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: txBiasCurrentHighAlarm (369)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the transmit bias current of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Bias Current High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Bias Current High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 7-57 DDMTxBiasCurrentHighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTxBiasCurrentHighWarning (482) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: txBiasCurrentHighWarning (368)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the transmit bias current of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Bias Current High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Bias Current High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 7-58 DDMTxBiasCurrentLowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTxBiasCurrentLowAlarm (481) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: txBiasCurrentLowAlarm (367)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the transmit bias current of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Bias Current Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Bias Current Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 7-59 DDMTxBiasCurrentLowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTxBiasCurrentLowWarning (480) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: txBiasCurrentLowWarning (366)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the transmit bias current of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Bias Current Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Bias Current Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 7-60 DDMTxOutputPowerHighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTxOutputPowerHighAlarm (487) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: txOutputPowerHighAlarm (373)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the output power of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Output Power High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Output Power High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 7-61 DDMTxOutputPowerHighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTxOutputPowerHighWarning (486) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: txOutputPowerHighWarning (372)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the output power of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Output Power High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Output Power High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 7-62 DDMTxOutputPowerLowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTxOutputPowerLowAlarm (485) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: txOutputPowerLowAlarm (371)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the output power of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Output Power Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Output Power Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 7-63 DDMTxOutputPowerLowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTxOutputPowerLowWarning (484) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: txOutputPowerLowWarning (370)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the output power of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Output Power Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Output Power Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 7-64 downgradedCardAlarm

Alarm	Attributes	Applicable major NE releases
Name: downgradedCardAlarm (256) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: downgradedCard (195)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when an IOM is not upgraded or reset after a device software upgrade of both CPMs. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
Raising condition: ('operationalState' EQUAL 'Downgrade')		
Clearing condition: ('operationalState' EQUAL 'Up')		
Remedial action: Informational - no corrective action required.		

7 — Alcatel-Lucent 7210 SAS M alarms

Table 7-65 DS1E1AlarmIndicationSignal

Alarm	Attributes	Applicable major NE releases
Name: DS1E1AlarmIndicationSignal (112) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: alarmIndicationSignal (96)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when an NE reports that a specific DS1 or E1 channel has an AIS alarm condition.		
Raising condition: (('Outstanding Alarms'anyBit'Alarm Indication Signal') AND ('Report Alarms'anyBit'Alarm Indication Signal'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Alarm Indication Signal') AND ('Report Alarms'anyBit'Alarm Indication Signal'))))		
Remedial action: Informational only.		

Table 7-66 DS1E1Looped

Alarm	Attributes	Applicable major NE releases
Name: DS1E1Looped (126) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: farEndLoopback (102)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when an NE reports that a specific DS1 or E1 channel has a remote loopback alarm condition.		
Raising condition: (('Outstanding Alarms'anyBit'Far end wants the near end to loopback') AND ('Report Alarms'anyBit'Far end wants the near end to loopback'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Far end wants the near end to loopback') AND ('Report Alarms'anyBit'Far end wants the near end to loopback'))))		
Remedial action: Informational only.		

Table 7-67 DS1E1LossOfSignal

Alarm	Attributes	Applicable major NE releases
Name: DS1E1LossOfSignal (124) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: lossOfSignal (99)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when an NE reports that a specific DS1 or E1 channel has an LOS alarm condition.		
Raising condition: (('Outstanding Alarms'anyBit'Loss of Signal') AND ('Report Alarms'anyBit'Loss of Signal'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Loss of Signal') AND ('Report Alarms'anyBit'Loss of Signal'))))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: Informational only.		

(2 of 2)

Table 7-68 DS1E1OutOfFrame

Alarm	Attributes	Applicable major NE releases
Name: DS1E1OutOfFrame (125) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: outOfFrame (100)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when an NE reports that a specific DS1 or E1 channel has an OOF alarm condition.		
Raising condition: (('Outstanding Alarms'anyBit'Out Of Frame') AND ('Report Alarms'anyBit'Out Of Frame'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Out Of Frame') AND ('Report Alarms'anyBit'Out Of Frame'))		
Remedial action: Informational only.		

Table 7-69 DS1E1ResourceAvailabilityIndicator

Alarm	Attributes	Applicable major NE releases
Name: DS1E1ResourceAvailabilityIndicator (114) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: resourceAvailabilityIndicator (98)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when an NE reports that a specific DS1 or E1 channel has an RAI alarm condition.		
Raising condition: (('Outstanding Alarms'anyBit'Resource Availability Indicator') AND ('Report Alarms'anyBit'Resource Availability Indicator'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Resource Availability Indicator') AND ('Report Alarms'anyBit'Resource Availability Indicator'))		
Remedial action: Informational only.		

Table 7-70 DS1E1SignalDegradation

Alarm	Attributes	Applicable major NE releases
Name: DS1E1SignalDegradation (500) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: signalDegradation (386)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when an NE reports that a specific DS1 or E1 channel has an SD alarm condition.		
Raising condition: (('Outstanding Alarms'anyBit'Signal Degradation') AND ('Report Alarms'anyBit'Signal Degradation'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'Signal Degradation') AND ('Report Alarms'anyBit'Signal Degradation'))		
Remedial action: Informational only.		

Table 7-71 DS1E1SignalFailure

Alarm	Attributes	Applicable major NE releases
Name: DS1E1SignalFailure (501) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: signalFailure (387)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when an NE reports that a specific DS1 or E1 channel has an SF alarm condition.		
Raising condition: (('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))		
Remedial action: Informational only.		

Table 7-72 EfmOamAlarm

Alarm	Attributes	Applicable major NE releases
Name: EfmOamAlarm (4617) Type: equipmentAlarm (3) Package: ethernetequipment Raised on class: ethernetequipment.Dot3Oam	Severity: minor Implicitly cleared: true Default probable cause: EFMOAMOperationalStateOutOfService (1886)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when EFM Ignore status is Enabled, and Physical port Administrative State is Down.		
Raising condition: ('Ignore EFM State' EQUAL 'true')		
Clearing condition: ('Ignore EFM State' EQUAL 'true')		
Remedial action: The alarm is raised when EFM Ignore status is Enabled, and Physical port Administrative State is Down.		

Table 7-73 EquipmentAdministrativelyDown

Alarm	Attributes	Applicable major NE releases
Name: EquipmentAdministrativelyDown (455) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: minor Implicitly cleared: true Default probable cause: equipmentAdministrativelyDown (326)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentAdministrativelyDown.		
Raising condition: ('compositeEquipmentState' EQUAL 'Admin Down')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Admin Down')		
Remedial action: Informational - no corrective action required.		

Table 7-74 EquipmentDegraded

Alarm	Attributes	Applicable major NE releases
Name: EquipmentDegraded (604) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: minor Implicitly cleared: true Default probable cause: singleFanFailure (450)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a single fan fails. The chassis attempts to continue operating within the normal temperature range using only the remaining fans.		
Raising condition: ('Device State' EQUAL 'MinorFailure')		
Clearing condition: ('Device State' NOT EQUAL 'MinorFailure')		
Remedial action: The failed fan unit should be replaced.		

Table 7-75 EquipmentDown

Alarm	Attributes	Applicable major NE releases
Name: EquipmentDown (10) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: inoperableEquipment (8)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentOperationallyDown.		
Raising condition: ('compositeEquipmentState' EQUAL 'Oper Down')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Oper Down')		
Remedial action: This alarm indicates that a card in the NE has failed. The card must be replaced.		

7 — Alcatel-Lucent 7210 SAS M alarms

Table 7-76 EquipmentFailure

Alarm	Attributes	Applicable major NE releases
Name: EquipmentFailure (145) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.ReplaceableUnit	Severity: critical Implicitly cleared: true Default probable cause: cardFailure (123)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a control processor or power-supply tray reports a failure. When the object type is ControlProcessor, a CPM may be unable to boot. When the object type is Power Supply Tray and the alarm is raised during device discovery, a power-supply tray may be out of service. When the object type is a Power Supply Tray and the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
Raising condition: ('operationalState' EQUAL 'Failed')		
Clearing condition: ('operationalState' NOT EQUAL 'Failed')		
Remedial action: If the alarm indicates that the CPM card has a fault, remove the card and reset it. If this does not clear the alarm then please contact Alcatel-Lucent support for assistance. If the alarm indicates that the Power Supply tray is out of service ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 7-77 EquipmentInTest

Alarm	Attributes	Applicable major NE releases
Name: EquipmentInTest (11) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: warning Implicitly cleared: true Default probable cause: equipmentInTest (9)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when equipment enters a diagnostic state.		
Raising condition: ('compositeEquipmentState' EQUAL 'In Test')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'In Test')		
Remedial action: Informational - no corrective action required.		

Table 7-78 EquipmentMismatch

Alarm	Attributes	Applicable major NE releases
Name: EquipmentMismatch (9) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: equipmentTypeMismatch (7)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMismatch.		
Raising condition: ('compositeEquipmentState' EQUAL 'Type Mismatch')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Type Mismatch')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

(2 of 2)

Table 7-79 EquipmentRemoved

Alarm	Attributes	Applicable major NE releases
Name: EquipmentRemoved (8) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: replaceableEquipmentRemoved (6)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMissing.		
Raising condition: (('compositeEquipmentState' EQUAL 'Removed') AND ('isEquipmentInserted' EQUAL 'true'))		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Removed')		
Remedial action: Informational - this alarm is raised when a card is removed.		

Table 7-80 EthernetPortConfiguredLoopback

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortConfiguredLoopback (801) Type: configurationAlarm (11) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: warning Implicitly cleared: true Default probable cause: ethernetPortConfiguredLoopback (567)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a timed loopback is in effect for an Ethernet port.		
Raising condition: (('Type' NOT EQUAL 'None'))		
Clearing condition: (('Type' EQUAL 'None'))		
Remedial action: This alarm has been raised by the node because "Timed Loopback" option of the specific port's Ethernet property has been enabled. To resolve this problem from "Ethernet" tab of "Physical Port" properties form configure "Timed Loopback" Type property as "None".		

Table 7-81 EthernetPortDuplicateLane

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortDuplicateLane (3557) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: DuplicateLane (1387)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a device reports a Duplicate Lane on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 7-82 EthernetPortHighBer

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortHighBer (307) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a device reports a high bit-error rate on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))))		
Remedial action: One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 7-83 EthernetPortLocalFault

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortLocalFault (305) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: LocalFault (236)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a device reports a local fault on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))))		
Remedial action: One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

(2 of 2)

Table 7-84 EthernetPortNoAmLock

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortNoAmLock (3558) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoAmLock (1388)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a device reports a No Am Lock on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 7-85 EthernetPortNoBlockLock

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortNoBlockLock (3559) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoBlockLock (1389)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a device reports a No Block Lock on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock'))))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 7-86 EthernetPortNoFrameLock

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortNoFrameLock (306) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoFrameLock (237)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a device reports No Frame Lock on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock'))		
Remedial action: One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 7-87 EthernetPortRemoteFault

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortRemoteFault (304) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: RemoteFault (235)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a device reports a remote fault on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault'))		
Remedial action: One of the following conditions exists on the remote physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 7-88 EthernetPortSignalFailure

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortSignalFailure (303) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: SignalFailure (234)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a device reports a signal failure on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))))		
Remedial action: One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

(2 of 2)

Table 7-89 ExternalTimingReferenceNotQualified

Alarm	Attributes	Applicable major NE releases
Name: ExternalTimingReferenceNotQualified (548) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: timingReferenceNotQualified (418)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the External timing reference on an NE is not in the Qualified state.		
Raising condition: (('Qualified For Use' EQUAL 'Not Qualified') AND ('Administrative State' NOT EQUAL 'Down'))		
Clearing condition: (('Qualified For Use' NOT EQUAL 'Not Qualified') OR ('Administrative State' EQUAL 'Down'))		
Remedial action: Informational		

Table 7-90 FanFailure

Alarm	Attributes	Applicable major NE releases
Name: FanFailure (624) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: fanFailure (116)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the associated fan is not operationally Up.		
Raising condition: (('Device State' EQUAL 'Failed') OR ('Device State' EQUAL 'Unknown') OR ('Device State' EQUAL 'OutOfservice'))		
Clearing condition: ('Device State' EQUAL 'OK')		
Remedial action: Remove and reset the fan unit. If this does not resolve the problem replace the fan.		

Table 7-91 FanTrayRemoved

Alarm	Attributes	Applicable major NE releases
Name: FanTrayRemoved (569) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: FanTrayRemoved (438)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the deviceState attribute has a value of deviceNotEquipped.		
Raising condition: ('Device State' EQUAL 'Not Equipped')		
Clearing condition: ('Device State' NOT EQUAL 'Not Equipped')		
Remedial action: Informational - a fan tray has been removed from the NE.		

Table 7-92 ForwardingTableSizeLimitReached

Alarm	Attributes	Applicable major NE releases
Name: ForwardingTableSizeLimitReached (164) Type: resourceAlarm (28) Package: I2fwd Raised on class: I2fwd.SiteFib	Severity: major Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the number of MAC address entries in the FIB reaches or exceeds the VPLS site high watermark specified by I2fwd.SiteFib.highWatermark. The alarm clears when the number of MAC address entries in the FIB drops below the VPLS site low watermark specified by I2fwd.SiteFib.lowWatermark. The alarm can be raised against a VPLS site, L2 access interface, or spoke SDP binding.		
Raising condition: (('Entries' >= 'Size') OR ('Entries' >= (('High Watermark' * 'Size') / 100.0)))		
Clearing condition: (('Entries' < 'Size') AND (('High Watermark' EQUAL '0L') OR ('Entries' < (('Low Watermark' * 'Size') / 100.0))) AND (('Low Watermark' EQUAL '0L') OR ('Entries' < (('Low Watermark' * 'Size') / 100.0)))		
Remedial action: Informational		

Table 7-93 FrameSizeProblem (netw)

Alarm	Attributes	Applicable major NE releases
Name: FrameSizeProblem (37) Type: configurationAlarm (11) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: frameSizeProblem (33)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a provisioned MTU size value is greater than the supported MTU size value.		
Raising condition: (('mtuMismatch' EQUAL 'true') AND ('portId' NOT EQUAL '0L'))		
Clearing condition: (('mtuMismatch' EQUAL 'false') OR ('portId' EQUAL '0L'))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: A configuration error has been made which must be corrected. The MTU value must be changed such that is less than or equal to the supported MTU size value.		

(2 of 2)

Table 7-94 FrameSizeProblem (svt)

Alarm	Attributes	Applicable major NE releases
Name: FrameSizeProblem (37) Type: configurationAlarm (11) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: frameSizeProblem (33)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a provisioned MTU size value is greater than the supported MTU size value.		
Raising condition: (('Operational State' EQUAL 'MTU Mismatch') OR ('Operational State' EQUAL 'Tunnel MTU Too Small'))		
Clearing condition: (('Operational State' NOT EQUAL 'MTU Mismatch') AND ('Operational State' NOT EQUAL 'Tunnel MTU Too Small'))		
Remedial action: The MTU value must be changed such that is is less than or equal to the supported MTU size value.		

Table 7-95 GaPeerDown

Alarm	Attributes	Applicable major NE releases
Name: GaPeerDown (3303) Type: EpcAlarm (59) Package: Iteggnsn Raised on class: Iteggnsn.GaPeer	Severity: major Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the path management state of a Ga peer changes to a state other than Up.		
Raising condition: ('Path Management State' NOT EQUAL 'Active')		
Clearing condition: ('Path Management State' EQUAL 'Active')		
Remedial action: A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

7 — Alcatel-Lucent 7210 SAS M alarms

Table 7-96 IncompleteConfig (multichassis)

Alarm	Attributes	Applicable major NE releases
Name: IncompleteConfig (294) Type: configurationAlarm (11) Package: multichassis Raised on classes: <ul style="list-style-type: none"> multichassis.MultiChassisSync multichassis.MultiChassisLagMember 	Severity: major Implicitly cleared: true Default probable cause: incompleteConfig (225)	<ul style="list-style-type: none"> 4.0.0 5.0.0 6.0.0
Description: The alarm is raised when a peer configuration cannot be found on the peer NE.		
Raising condition: ('mLagPointer' EQUAL '\')		
Clearing condition: ('mLagPointer' NOT EQUAL '\')		
Remedial action: Configure the missing peered object.		

Table 7-97 IncompleteConfiguration

Alarm	Attributes	Applicable major NE releases
Name: IncompleteConfiguration (1942) Type: operationalViolation (93) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: incompleteConfig (225)	<ul style="list-style-type: none"> 4.0.0 5.0.0 6.0.0
Description: The alarm is raised when a pre-provisioned NE has no objects configured beneath it.		
Raising condition: (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' EQUAL '\'))		
Clearing condition: (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' NOT EQUAL '\'))		
Remedial action: A configuration error has been made which must be corrected. The configuration of the pre-provisioned NE is incomplete. A work order was not associated with the pre-provisioned NE and as a consequence the attempt to auto-configure the NE failed.		

Table 7-98 IncorrectPeerConfig

Alarm	Attributes	Applicable major NE releases
Name: IncorrectPeerConfig (779) Type: configurationAlarm (11) Package: multichassis Raised on class: multichassis.AbstractPeer	Severity: major Implicitly cleared: true Default probable cause: IncorrectPeerConfig (554)	<ul style="list-style-type: none"> 4.0.0 5.0.0 6.0.0
Description: The alarm is raised when an MC peer does not exist, or when an MC peer exists but the peer address is not the address of a network interface on the peer.		
Raising condition: ('peerMatchFound' EQUAL 'false')		
Clearing condition: ('peerMatchFound' EQUAL 'true')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: The peer configuration cannot be found on the peer NE. Either delete this one, or create the missing peer object.		

(2 of 2)

Table 7-99 IncorrectPeerSynchronizationPortConfig

Alarm	Attributes	Applicable major NE releases
Name: IncorrectPeerSynchronizationPortConfig (780) Type: configurationAlarm (11) Package: multichassis Raised on class: multichassis.PeerSynchronizationPort	Severity: major Implicitly cleared: true Default probable cause: IncorrectPeerSynchronizationPortConfig (555)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the peer port does not exist, or when the peer port exists but the synchronization tags of the peers do not match.		
Raising condition: ('peerMatchFound' EQUAL 'false')		
Clearing condition: ('peerMatchFound' EQUAL 'true')		
Remedial action: Check if the peer port does not exist, or the peer port exists but the synchronization tags do not match.		

Table 7-100 IncorrectPeerSynchronizationPortEncapRangeConfig

Alarm	Attributes	Applicable major NE releases
Name: IncorrectPeerSynchronizationPortEncapRangeConfig (781) Type: configurationAlarm (11) Package: multichassis Raised on class: multichassis.PeerSynchronizationPortEncapRange	Severity: major Implicitly cleared: true Default probable cause: IncorrectPeerSynchronizationPortEncapRangeConfig (556)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the VLAN ranges on the Multi-Chassis synchronization peers do not match.		
Raising condition: ('Neighbor Match' EQUAL 'false')		
Clearing condition: ('Neighbor Match' EQUAL 'true')		
Remedial action: Update the VLAN ranges on the Multi-Chassis synchronization peers to make them matching.		

Table 7-101 InstanceDown (vrrp)

Alarm	Attributes	Applicable major NE releases
Name: InstanceDown (284) Type: configurationAlarm (11) Package: vrrp Raised on class: vrrp.AbstractInstance	Severity: major Implicitly cleared: true Default probable cause: instanceDown (216)	<ul style="list-style-type: none"> • 5.0.0 • 6.0.0
Description: The alarm is raised when the 5620 SAM detects that a VRRP instance is operationally down.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: Check the instance configuration		

Table 7-102 InterfaceDown (netw)

Alarm	Attributes	Applicable major NE releases
Name: InterfaceDown (36) Type: InterfaceAlarm (13) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when an interface or underlying resource fails, as indicated by an interface compositeState attribute value of failed or underlyingResourceFailed.		
Raising condition: (('compositeState' EQUAL 'Inoperable') OR ('compositeState' EQUAL 'Underlying Resource Inoperable'))		
Clearing condition: (('compositeState' NOT EQUAL 'Inoperable') AND ('compositeState' NOT EQUAL 'Underlying Resource Inoperable'))		
Remedial action: A physical port (physical interface, LAG, channel) associated with the network interface in not operation. Ensure that the interface is cabled and that there isn't a configuration error (i.e. MTU size set incorrectly) on the interface. Once the issue w		

Table 7-103 InterfaceDown (vpls)

Alarm	Attributes	Applicable major NE releases
Name: InterfaceDown (36) Type: configurationAlarm (11) Package: vpls Raised on class: vpls.L2ManagementInterface	Severity: major Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when an L2 management interface has an Operational State of Down, and the associated VPLS site has an Administrative State of Up.		
Raising condition: (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
Clearing condition: (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		

(1 of 2)

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

(2 of 2)

Table 7-104 InterfaceNeighborDown

Alarm	Attributes	Applicable major NE releases
Name: InterfaceNeighborDown (661) Type: NeighborDown (20) Package: ospf Raised on class: ospf.Interface	Severity: warning Implicitly cleared: true Default probable cause: NeighborDown (103)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when an interface neighbor is operationally down.		
Raising condition: (('Neighbor Count' EQUAL '0L') AND ('interfaceClass' NOT EQUAL 'System') AND ('Passive' NOT EQUAL 'true'))		
Clearing condition: (('Neighbor Count' NOT EQUAL '0L') OR ('Passive' EQUAL 'true'))		
Remedial action: This alarm is raised when the OSPF interface neighbor is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 7-105 IsisAdjacencyDown

Alarm	Attributes	Applicable major NE releases
Name: IsisAdjacencyDown (153) Type: adjacencyAlarm (31) Package: isis Raised on class: isis.Interface	Severity: minor Implicitly cleared: true Default probable cause: IsisInterfaceDown (232)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when an IS-IS interface has no adjacencies, for example, because the IS-IS protocol on the remote site is down.		
Raising condition: (('Adjacency Count' EQUAL '0L') AND ('interfaceClass' NOT EQUAL 'System') AND ('Passive' NOT EQUAL 'True'))		
Clearing condition: (('Adjacency Count' > '0L') OR ('Passive' EQUAL 'True'))		
Remedial action: Check remote site to see if corresponding IS-IS interface is configured and admin up.		

Table 7-106 IsisDown

Alarm	Attributes	Applicable major NE releases
Name: IsisDown (19) Type: ProtocolAlarm (1) Package: isis Raised on class: isis.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when an IS-IS site has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: The protocol is not working anymore, could be a problem with IP addresses, resources on the device, ...		

Table 7-107 IsisInterfaceDown

Alarm	Attributes	Applicable major NE releases
Name: IsisInterfaceDown (301) Type: ProtocolAlarm (1) Package: isis Raised on class: isis.Interface	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when an IS-IS interface has an Operational State other than Up.		
Raising condition: ('Operational State' EQUAL 'Down')		
Clearing condition: ('Operational State' NOT EQUAL 'Down')		
Remedial action: Check if underlying port is down, or associated network interface is down.		

Table 7-108 KeepAliveProblem

Alarm	Attributes	Applicable major NE releases
Name: KeepAliveProblem (100) Type: oamAlarm (18) Package: svt Raised on class: svt.Tunnel	Severity: warning Implicitly cleared: true Default probable cause: keepAliveFailed (86)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the 5620 SAM detects a keep-alive protocol status of senderIdInvalid or responderIdError.		
Raising condition: (('Keep-Alive State' NOT EQUAL 'Disabled') AND ('Keep-Alive State' NOT EQUAL 'Alive') AND ('Keep-Alive State' NOT EQUAL 'Unknown'))		
Clearing condition: (('Keep-Alive State' EQUAL 'Disabled') OR ('Keep-Alive State' EQUAL 'Alive') OR ('Keep-Alive State' EQUAL 'Unknown'))		
Remedial action: Check the configuration of this tunnel and underlying physical transport.		

Table 7-109 LabelProblem

Alarm	Attributes	Applicable major NE releases
Name: LabelProblem (98) Type: CircuitAlarm (17) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: labelProblem (84)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when an ingress or an egress label is missing.		
Raising condition: (('Operational State' EQUAL 'No Egress Label') OR ('Operational State' EQUAL 'No Ingress Label') OR ('Operational State' EQUAL 'No Labels'))		
Clearing condition: (('Operational State' NOT EQUAL 'No Egress Label') AND ('Operational State' NOT EQUAL 'No Ingress Label') AND ('Operational State' NOT EQUAL 'No Labels'))		
Remedial action: An ingress or egress label is missing for the SDP binding.		

Table 7-110 LagDown

Alarm	Attributes	Applicable major NE releases
Name: LagDown (20) Type: equipmentAlarm (3) Package: lag Raised on class: lag.Interface	Severity: critical Implicitly cleared: true Default probable cause: lagDown (17)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when all ports in a LAG are operationally down.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
Clearing condition: (('operationalState' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: This alarm indicates that all physical Ethernet links associated with a LAG are operationally down. The reasons for the links to be down may vary from link to link. The following possible causes of this alarm should be investigated. The physical port (near end or far end) may have failed - this can be remedied by replacing the interface card in question. The physical links may have been turned down administratively - re-enable the links. A cable failure or disconnect may have occurred - please ensure that the cables are properly connected to the physical port and that the cable has not been damaged.		

Table 7-111 LagPortAddFailed

Alarm	Attributes	Applicable major NE releases
Name: LagPortAddFailed (422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: warning Implicitly cleared: true Default probable cause: linkDown (315)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the Lag Port Add function Fails.		
Raising condition: (('state' EQUAL 'Link Down') AND ('LAG ID' > '0'))		
Clearing condition: (('state' NOT EQUAL 'Link Down') OR ('LAG ID' EQUAL '0'))		

(1 of 2)

7 – Alcatel-Lucent 7210 SAS M alarms

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

(2 of 2)

Table 7-112 LdpDown

Alarm	Attributes	Applicable major NE releases
Name: LdpDown (22) Type: ProtocolAlarm (1) Package: Idp Raised on class: Idp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when an LDP site has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: Check operational state down reason and update accordingly.		

Table 7-113 LdpSessionNonexistent

Alarm	Attributes	Applicable major NE releases
Name: LdpSessionNonexistent (2954) Type: LdpSessionAlarm (101) Package: Idp Raised on class: Idp.Session	Severity: critical Implicitly cleared: true Default probable cause: LdpSessionDown (1149)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when an LDP session is non-existent.		
Raising condition: ('Session State' EQUAL 'Non-existent')		
Clearing condition: ('Session State' EQUAL 'Operational')		
Remedial action: Please check the LDP session path to make sure all associated protocols/interfaces/connections are OK.		

Table 7-114 LdpTargetedPeerDown

Alarm	Attributes	Applicable major NE releases
Name: LdpTargetedPeerDown (23) Type: ProtocolAlarm (1) Package: Idp Raised on class: Idp.TargetedPeer	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when an LDP targeted peer is operationally down.		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Raising condition: (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
Clearing condition: (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
Remedial action: Please check the route to LDP targeted peer to make sure all associated protocols/interfaces/connections are OK.		

(2 of 2)

Table 7-115 LicensedLimitExceeded

Alarm	Attributes	Applicable major NE releases
Name: LicensedLimitExceeded (127) Type: licensingAlarm (23) Package: security Raised on class: security.ProductLicense	Severity: critical Implicitly cleared: true Default probable cause: licensedLimitExceeded (106)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the license items in the network exceeds 100 percent of the license capacity.		
Raising condition: ('Exceeded' EQUAL 'true')		
Clearing condition: ('Exceeded' NOT EQUAL 'true')		
Remedial action: Informational - The number of SAM licenses purchased and available on the SAM server is insufficient as compared to the number of NEs/MDA/Cells under management in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

Table 7-116 LinkDown

Alarm	Attributes	Applicable major NE releases
Name: LinkDown (12) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: portLinkProblem (10)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a port has no associated physical link or remote end point is operationally down.		
Raising condition: (('compositeEquipmentState' EQUAL 'Link Down') OR ('compositeEquipmentState' EQUAL 'Oper Down'))		
Clearing condition: (('compositeEquipmentState' NOT EQUAL 'Link Down') AND ('compositeEquipmentState' NOT EQUAL 'Oper Down'))		
Remedial action: Please make sure that port has physical link and remote end point is operationally up.		

Table 7-117 LowTemperatureDetected

Alarm	Attributes	Applicable major NE releases
Name: LowTemperatureDetected (1127) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOvercooled (838)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the chassis temperature falls below the minimum threshold.		
Raising condition: ('Low Temperature State' EQUAL 'Low')		
Clearing condition: ('Low Temperature State' NOT EQUAL 'Low')		
Remedial action: The NE has detected internal temperatures which are abnormally low. This may happen when the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 7-118 LspDown

Alarm	Attributes	Applicable major NE releases
Name: LspDown (25) Type: pathAlarm (12) Package: mpls Raised on class: mpls.Lsp	Severity: critical Implicitly cleared: true Default probable cause: lspDown (19)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the Operational State of an LSP is Down, but the Administrative State is Up.		
Raising condition: (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
Clearing condition: (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
Remedial action: So many things can cause LSP down, check if source and destination interfaces are down, LSP path is down and the failure code, or MPLS path is down...		

Table 7-119 LspPathBypassTunnelActive

Alarm	Attributes	Applicable major NE releases
Name: LspPathBypassTunnelActive (264) Type: pathAlarm (12) Package: mpls Raised on class: mpls.LspPath	Severity: warning Implicitly cleared: true Default probable cause: LspPathReroutedToBypassTunnel (197)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when an LSP primary path is rerouted to the bypass tunnel. The alarm clears when the primary path returns to the original tunnel and the actual hop returns to the primary path.		
Raising condition: ('Bypass Tunnel Active' EQUAL 'true')		
Clearing condition: ('Bypass Tunnel Active' EQUAL 'false')		
Remedial action: There is a problem with the original path, check what is the problem and fix it if possible.		

Table 7-120 LspPathDown

Alarm	Attributes	Applicable major NE releases
Name: LspPathDown (26) Type: pathAlarm (12) Package: mpls Raised on class: mpls.LspPath	Severity: major Implicitly cleared: true Default probable cause: LspPathDown (20)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when an LSP path is operationally down.		
Raising condition: (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up') AND ('Type' EQUAL 'Standby'))		
Clearing condition: (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up') OR ('Type' EQUAL 'Secondary'))		
Remedial action: Check the failure code and update accordingly, e.g. whether MPLS/RSVP interfaces, OSPF interfaces are down.		

Table 7-121 macMoveRateExceeded (service)

Alarm	Attributes	Applicable major NE releases
Name: macMoveRateExceeded (3690) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: minor Implicitly cleared: true Default probable cause: MacMoveRateExceeded (1429)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site.		
Raising condition: ('State Cause'anyBit'Relearn Limit Exceeded')		
Clearing condition: NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		
Remedial action: Informational.		

Table 7-122 macMoveRateExceeded (svt)

Alarm	Attributes	Applicable major NE releases
Name: macMoveRateExceeded (3690) Type: SpokeSdpBindingAlarm (104) Package: svt Raised on class: svt.SpokeSdpBinding	Severity: minor Implicitly cleared: true Default probable cause: MacMoveRateExceeded (1429)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the SDP exceeds the Service Site's MAC Move Frequency.		
Raising condition: ('operationalFlags'anyBit'Relearn Limit Exceeded')		
Clearing condition: NOT (('operationalFlags'anyBit'Relearn Limit Exceeded'))		
Remedial action: Check Service Site MAC move frequency or underlying physical link to understand issue.		

Table 7-123 macMoveRateExceededNonBlock (service)

Alarm	Attributes	Applicable major NE releases
Name: macMoveRateExceededNonBlock (4893) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: info Implicitly cleared: true Default probable cause: MacMoveRateExceededNonBlock (1951)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site when limitMacMove(sapTIsLimitMacMove) is set to 'nonBlocking'.		
Raising condition: ('State Cause'anyBit'Relearn Limit Exceeded')		
Clearing condition: NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		
Remedial action: Informational - User can adjust the value of 'MAC Move Maximum Rate' to reduce the frequency of this alarm.		

Table 7-124 macMoveRateExceededNonBlock (svt)

Alarm	Attributes	Applicable major NE releases
Name: macMoveRateExceededNonBlock (4893) Type: SpokeSdpBindingAlarm (104) Package: svt Raised on class: svt.SpokeSdpBinding	Severity: info Implicitly cleared: true Default probable cause: MacMoveRateExceededNonBlock (1951)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the SDP exceeds the Service Site's MAC Move Frequency even when limitMacMove(sdpBindTIsLimitMacMove) is set to 'nonBlocking'.		
Raising condition: ('operationalFlags'anyBit'Relearn Limit Exceeded')		
Clearing condition: NOT (('operationalFlags'anyBit'Relearn Limit Exceeded'))		
Remedial action: Informational - User can adjust the value of 'MAC Move Maximum Rate' to reduce the frequency of this alarm.		

Table 7-125 MCLagDown (lag)

Alarm	Attributes	Applicable major NE releases
Name: MCLagDown (394) Type: equipmentAlarm (3) Package: lag Raised on class: lag.MultiChassisLagSpecifics	Severity: critical Implicitly cleared: true Default probable cause: mclagDown (295)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when all ports in an MC LAG are operationally down.		
Raising condition: (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
Clearing condition: (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		

(1 of 2)

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

(2 of 2)

Table 7-126 MCLagDown (multichassis)

Alarm	Attributes	Applicable major NE releases
Name: MCLagDown (394) Type: equipmentAlarm (3) Package: multichassis Raised on class: multichassis.MultiChassisLagPeerSpecifics	Severity: critical Implicitly cleared: true Default probable cause: mclagDown (295)	<ul style="list-style-type: none"> 4.0.0 5.0.0 6.0.0
Description: The alarm is raised when all ports in an MC LAG are operationally Down.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: This alarm indicates that all physical Ethernet links associated with a LAG are operationally down. The reasons for the links to be down may vary from link to link. The following possible causes of this alarm should be investigated. The physical port (near end or far end may have failed - this can be remedied by replacing the interface card in question. The physical links may have been turned down administratively - re-enable the links. A cable failure or disconnect may have occurred - please ensure that the cables are properly connected to the physical port and and that the cable has not been damaged.		

Table 7-127 MepAISReceivedAlarm

Alarm	Attributes	Applicable major NE releases
Name: MepAISReceivedAlarm (2945) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: variable Implicitly cleared: true Default probable cause: missingRemoteMep (388)	<ul style="list-style-type: none"> 4.0.0 5.0.0 6.0.0
Description: The alarm is raised when a MEP Receives AIS test frames from one or more of its sub-layer MEPs.		
Raising condition: (('AIS Received (AisRx)' EQUAL 'true') AND ('Facility VLAN ID' EQUAL '0'))		
Clearing condition: ('AIS Received (AisRx)' EQUAL 'false')		
Remedial action: This alarm indicates that it has received a MEP fault from a sub-layer MEP, user should investigate the fault cause on the sub-layer MEP and resolve this root cause issue.		

Table 7-128 MobileConnectorDown

Alarm	Attributes	Applicable major NE releases
Name: MobileConnectorDown (1064) Type: EpcAlarm (59) Package: Iteservice Raised on class: Iteservice.MobileServiceConnector	Severity: minor Implicitly cleared: true Default probable cause: EpcDown (519)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the 5620 SAM no longer manages the EPS path instance of this mobile service site. As a result, the service must be regenerated.		
Raising condition: ('EPS Path' EQUAL '\\"')'		
Clearing condition: ('EPS Path' NOT EQUAL '\\"')'		
Remedial action: The underlying transport network has gone down resulting in the deletion of a mobile service connector (EPS path). Correct the issue with the transport network and regenerate the mobile service connector by clicking on the re-calculate button on the mobile service properties form.		

Table 7-129 MplsDown

Alarm	Attributes	Applicable major NE releases
Name: MplsDown (27) Type: ProtocolAlarm (1) Package: mpls Raised on class: mpls.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when an MPLS site has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: Check operational down reason and update accordingly.		

Table 7-130 MplsPathUpdateFailed

Alarm	Attributes	Applicable major NE releases
Name: MplsPathUpdateFailed (1066) Type: pathAlarm (12) Package: mpls Raised on class: mpls.LspPath	Severity: major Implicitly cleared: true Default probable cause: mbbRetryExceeded (804) Applicable probable causes: <ul style="list-style-type: none"> • mbbRetryExceeded • lspPathGoingDown • startingHighPriMbb • restartingMbb • highPriMbbInProg 	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when an MPLS path update fails because of an MBB problem. The alarm clears when the MBB status changes to Successful.		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Raising condition: (('mbbStatus' NOT EQUAL 'None') AND ('mbbStatus' NOT EQUAL 'Successful'))		
Clearing condition: (('Last Performed State' EQUAL 'Success') OR ('Administrative' EQUAL 'Down') OR (('Operational' EQUAL 'Up') AND ('Last Performed State' EQUAL 'None')))		
Remedial action: Based on the probable cause, change the parameters and update the path again.		

(2 of 2)

Table 7-131 MvrConfiguredFromVplsNotExist

Alarm	Attributes	Applicable major NE releases
Name: MvrConfiguredFromVplsNotExist (219) Type: configurationAlarm (11) Package: vpls Raised on classes: <ul style="list-style-type: none"> vpls.L2AccessInterfaceMldMvrCfg vpls.L2AccessInterfaceMvrCfg 	Severity: warning Implicitly cleared: true Default probable cause: MvrConfiguredFromVplsNotExist (164)	<ul style="list-style-type: none"> 4.0.0 5.0.0 6.0.0
Description: The alarm is raised when an MVR source is an MVR VPLS that does not exist. The alarm clears when the MVR VPLS is created.		
Raising condition: ('fromVplsExists' EQUAL 'false')		
Clearing condition: (('fromVplsExists' EQUAL 'true') OR ('fromVplsId' EQUAL '0L'))		
Remedial action: Create the missing MVR VPLS.		

Table 7-132 MvrConfiguredProxySapNotExist

Alarm	Attributes	Applicable major NE releases
Name: MvrConfiguredProxySapNotExist (220) Type: configurationAlarm (11) Package: vpls Raised on classes: <ul style="list-style-type: none"> vpls.L2AccessInterfaceMldMvrCfg vpls.L2AccessInterfaceMvrCfg 	Severity: warning Implicitly cleared: true Default probable cause: MvrConfiguredProxySapNotExist (165)	<ul style="list-style-type: none"> 4.0.0 5.0.0 6.0.0
Description: The alarm is raised when a configured MVR proxy SAP does not exist. The alarm clears when the proxy SAP is created.		
Raising condition: ('proxySapExists' EQUAL 'false')		
Clearing condition: ('proxySapExists' EQUAL 'true')		
Remedial action: Create the missing proxy SAP.		

Table 7-133 MvrSiteDown

Alarm	Attributes	Applicable major NE releases
Name: MvrSiteDown (162) Type: ProtocolAlarm (1) Package: layer2 Raised on class: layer2.MvrSite	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when MVR is disabled on an NE and a TLS VLAN or MVR VLAN service is provisioned on the NE.		
Raising condition: ('MVR Admin Status' EQUAL 'Disabled')		
Clearing condition: ('MVR Admin Status' EQUAL 'Enabled')		
Remedial action: To clear the alarm, enable MVR Admin Status under the Bridge Instance.		

Table 7-134 NeighborDown

Alarm	Attributes	Applicable major NE releases
Name: NeighborDown (121) Type: NeighborDown (20) Package: ospf Raised on class: ospf.AbstractNeighbor	Severity: major Implicitly cleared: true Default probable cause: NeighborDown (103)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when an OSPF interface neighbor is operationally Down.		
Raising condition: ('Operational State' NOT EQUAL 'full')		
Clearing condition: ('Operational State' EQUAL 'full')		
Remedial action: This alarm is raised when the OSPF interface neighbor is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 7-135 NeManagementAndTrapManagementMismatch

Alarm	Attributes	Applicable major NE releases
Name: NeManagementAndTrapManagementMismatch (1079) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: neManagementChange (817)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: This user-defined alarm is raised when the NE configuration is one of the following: - The Active Management IP is set to Out Of Band, and the Primary Route Preference is set to In Band. - The Active Management IP is set to In Band, and the Primary Route Preference is set to Out of Band.		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Raising condition: (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only')) AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only')) AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'Out Of Band'))))		
Clearing condition: (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only')) AND ('Primary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only')) AND ('Primary Route Preference' EQUAL 'Out Of Band'))))		
Remedial action: A configuration error has been made which must be corrected. The parameters described in the description for this alarm must match.		

(2 of 2)

Table 7-136 NewSsh2ServerKeyDetected

Alarm	Attributes	Applicable major NE releases
Name: NewSsh2ServerKeyDetected (285) Type: communicationsAlarm (4) Package: security Raised on class: security.KnownHostKey	Severity: warning Implicitly cleared: true Default probable cause: ssh2ServerKeyMismatch (217)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a 5620 SAM main server detects a new public SSH key.		
Raising condition: ('SSH2 Server Key Status' EQUAL 'Mismatch SSH2 Host Key')		
Clearing condition: ('SSH2 Server Key Status' EQUAL 'Active SSH2 Host Key')		
Remedial action: Informational - possible security breach. The SSH key of the router is different from the one known to the SAM server.		

Table 7-137 NodeDatabaseFallbackDetected

Alarm	Attributes	Applicable major NE releases
Name: NodeDatabaseFallbackDetected (2923) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseFallback (1121)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a configuration fallback is detected on the node and comes back up with a previous configuration. To correct this situation it might be necessary to reconfigure the node, or perform full resync its database with the 'fallback' configuration returned by the node.		
Raising condition: ('State' EQUAL 'Node Configuration Fallback')		
Clearing condition: ('State' EQUAL 'Managed')		
Remedial action: the NE has come back to a previous configuration. Perform a manual Full Resync or a Reconfigure of the NE		

Table 7-138 NodeDatabaseMisalignmentDetected

Alarm	Attributes	Applicable major NE releases
Name: NodeDatabaseMisalignmentDetected (2924) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseMisalignment (1122)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a configuration misalignment has been detected on the node and comes back up with an unexpected configuration (configuration change triggered by external tool) To correct this situation it might be necessary to reconfigure the node with the 5620 SAM's old configuration or accept the new configuration received from the node.		
Raising condition: ('State' EQUAL 'Node Configuration Misalignment')		
Clearing condition: ('State' EQUAL 'Managed')		
Remedial action: the NE configuration is misaligned. Perform a resync in order to update SAM configuration according to the NE.		

Table 7-139 NodeRebooted

Alarm	Attributes	Applicable major NE releases
Name: NodeRebooted (32) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: false Default probable cause: nodeReboot (25)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the 5620 SAM detects an NE reboot based on the latest NE sysUpTime value.		
Remedial action: Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 7-140 NodeSuspended

Alarm	Attributes	Applicable major NE releases
Name: NodeSuspended (5123) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: NodeSuspend (2057)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the 5620 SAM detects an NE moved to suspend state as per user request.		
Raising condition: ('SNMP Reachability' EQUAL 'Suspended')		
Clearing condition: ('SNMP Reachability' NOT EQUAL 'Suspended')		
Remedial action: This alarm is raised when user suspends the network element. The alarm will be cleared when the network element is managed back.		

Table 7-141 NTPOperDown

Alarm	Attributes	Applicable major NE releases
Name: NTPOperDown (4879) Type: communicationsAlarm (4) Package: ntp Raised on class: ntp.NTP	Severity: info Implicitly cleared: true Default probable cause: NTPOperDown (1943)	<ul style="list-style-type: none"> • 5.0.0 • 6.0.0
Description: The alarm is generated when the NTP Operational State is down for NTP.		
Raising condition: (('Operational State' EQUAL 'Down') AND ('NTP State' EQUAL 'Enabled'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('NTP State' EQUAL 'Disabled'))		
Remedial action: Please check if NTP is administratively enabled (Admin State in NTP General Tab). If admin state down, enable it to make NTP operationally up.		

Table 7-142 OrphanNodeDetected

Alarm	Attributes	Applicable major NE releases
Name: OrphanNodeDetected (4866) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.AdvertisedNode	Severity: major Implicitly cleared: true Default probable cause: nodeNotMangedByAnyEms (1934)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when node is node managed by any EMS after n retries(threshold crossed) it is manually cleared by the operator or when the node is discovered.		
Raising condition: ('state' EQUAL 'orphan')		
Remedial action: The NE is not managed by any SAM.Add an discory rule in order to managed it.		

Table 7-143 OspfInterfaceDown

Alarm	Attributes	Applicable major NE releases
Name: OspfInterfaceDown (141) Type: OspfInterfaceDown (24) Package: ospf Raised on class: ospf.Interface	Severity: warning Implicitly cleared: true Default probable cause: OspfInterfaceDown (112)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when an OSPF interface is operationally down.		
Raising condition: ('operationalState' EQUAL 'Down')		
Clearing condition: ('operationalState' NOT EQUAL 'Down')		
Remedial action: This alarm is raised when the OSPF interface is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 7-144 OverTemperatureDetected

Alarm	Attributes	Applicable major NE releases
Name: OverTemperatureDetected (388) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the chassis temperature exceeds the maximum threshold value.		
Raising condition: ('Over Temperature State' EQUAL 'Over')		
Clearing condition: ('Over Temperature State' NOT EQUAL 'Over')		
Remedial action: The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 7-145 PartialResyncProblem

Alarm	Attributes	Applicable major NE releases
Name: PartialResyncProblem (4401) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: partialResyncProblem (1578)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when an Partial Resync on an NE fails. For example, when resyncing only some MIB entries as opposed to a full resync. The periodic reachability test (sysUpTime) is not considered a partial resync, neither is a full resync. However, a PartialResyncProblem alarm can only be reset by a FullResync.		
Raising condition: ('partialResyncStatus' EQUAL 'Partial Resync Failed')		
Clearing condition: ('partialResyncStatus' EQUAL 'Partial Resync Done')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE.		

Table 7-146 PeerConnectionDown (bgp)

Alarm	Attributes	Applicable major NE releases
Name: PeerConnectionDown (2) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.Peer	Severity: critical Implicitly cleared: true Default probable cause: connectionDown (2)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a BGP peer has a Connection State other than Established, and the Administrative State of the BGP peer is Up.		
Raising condition: (('Connection State' NOT EQUAL 'Established') AND ('Administrative State' EQUAL 'Up'))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: (('Connection State' EQUAL 'Established') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: A mismatch in configuration may have occurred. Check the configuration of both peers to rule out a mismatched configuration.		

(2 of 2)

Table 7-147 PeerDown (bgp)

Alarm	Attributes	Applicable major NE releases
Name: PeerDown (1) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.Peer	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a BGP peer has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: The BGP peer entity is down - administratively disable the BGP peer and re-enable it. If toggling the administrative state does not solve the problem check that the physical interface and network connection to the far end peer are up and operational. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 7-148 PeerGroupDown (bgp)

Alarm	Attributes	Applicable major NE releases
Name: PeerGroupDown (5) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.PeerGroup	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a BGP peer group has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: The BGP peer group is down - administratively disable the BGP peer group and re-enable it. If the problem persists please contact Alcatel-Lucent support for assistance.		

7 — Alcatel-Lucent 7210 SAS M alarms

Table 7-149 PeerLacIngressEgressFault

Alarm	Attributes	Applicable major NE releases
Name: PeerLacIngressEgressFault (2929) Type: PeerLacAlarm (98) Package: svt Raised on class: svt.SpokeSdpBinding	Severity: minor Implicitly cleared: true Default probable cause: peerPWStatusBitsChanged (1123)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the Peer Status is Peer LAC Rx Fault and Peer LAC Tx Fault		
Raising condition: (('Peer State Cause'anyBit'Peer LAC Tx Fault') AND ('Peer State Cause'anyBit'Peer LAC Rx Fault'))		
Clearing condition: NOT (((('Peer State Cause'anyBit'Peer LAC Tx Fault') AND ('Peer State Cause'anyBit'Peer LAC Rx Fault'))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 7-150 PersistentIndexParametersMisconfigured

Alarm	Attributes	Applicable major NE releases
Name: PersistentIndexParametersMisconfigured (173) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: persistentIndexConfigurationMismatch (136)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when persistence is set to Off in the NE BOF.		
Raising condition: (('Persistent SNMP Indices' EQUAL 'False') OR (('hasRedundantProcessorCards' EQUAL 'true') AND ('Redundant Synchronization Mode' EQUAL 'None')))		
Clearing condition: (('Persistent SNMP Indices' EQUAL 'True') AND (('hasRedundantProcessorCards' EQUAL 'false') OR ('Redundant Synchronization Mode' NOT EQUAL 'None')))		
Remedial action: A configuration error has occurred that must be corrected. Use the CLI on the NE to enable persistency in the BOF. The discovery process will complete on the next discovery scan. A re-scan can be triggered immediately for the NE from within the discovery manager		

Table 7-151 PollerProblem

Alarm	Attributes	Applicable major NE releases
Name: PollerProblem (31) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: resyncFailed (24)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Raising condition: ('Resync Status' EQUAL 'Full Resync Failed')		
Clearing condition: ('Resync Status' EQUAL 'Full Resync Done')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

(2 of 2)

Table 7-152 PowerSupplyFailure

Alarm	Attributes	Applicable major NE releases
Name: PowerSupplyFailure (633) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: critical Implicitly cleared: true Default probable cause: powerSupplyFailure (117)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a power-supply tray reports a failure. When the alarm is raised during device discovery, a power-supply tray may be out of service. When the alarm is raised while the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
Raising condition: (('Power Supply 1 Status' EQUAL 'Not Equipped') OR ('Power Supply 1 Status' EQUAL 'Failed'))		
Clearing condition: (('Power Supply 1 Status' EQUAL 'OK'))		
Remedial action: Ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 7-153 PowerSupplyInputFeedDown

Alarm	Attributes	Applicable major NE releases
Name: PowerSupplyInputFeedDown (5422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: minor Implicitly cleared: true Default probable cause: powerSupplyInputFeedDown (2073)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: This alarm is generated if any one of the input feeds for a given power supply is not supplying power.		
Raising condition: (('Input Feed Status' EQUAL 'Input A Down') OR ('Input Feed Status' EQUAL 'Input B Down') OR (('Input Feed Status'allBits'Input A Down') AND ('Input Feed Status'allBits'Input B Down'))		
Clearing condition: ('Input Feed Status' EQUAL 'None')		
Remedial action: Restore all of the input feeds that are not supplying power.		

7 — Alcatel-Lucent 7210 SAS M alarms

Table 7-154 PowerSupplyRemoved

Alarm	Attributes	Applicable major NE releases
Name: PowerSupplyRemoved (542) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: major Implicitly cleared: true Default probable cause: PowerSupplyRemoved (415)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a chassis power supply is removed.		
Raising condition: ('Power Supply 1 Status' EQUAL 'Not Equipped')		
Clearing condition: ('Power Supply 1 Status' NOT EQUAL 'Not Equipped')		
Remedial action: To recover from this event, the customer is requested to add a new power supply to the system, or change a faulty power supply with a working one.		

Table 7-155 PrimaryImageBootFailure

Alarm	Attributes	Applicable major NE releases
Name: PrimaryImageBootFailure (191) Type: configurationAlarm (11) Package: sw Raised on class: sw.CardSoftware	Severity: warning Implicitly cleared: true Default probable cause: bootOptionFileMisconfigured (150)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the primary software image specified in an NE BOF is unusable.		
Raising condition: (('imageSource' NOT EQUAL 'Primary') AND ('imageSource' NOT EQUAL 'Unknown'))		
Clearing condition: (('imageSource' EQUAL 'Primary') OR ('imageSource' EQUAL 'Unknown'))		
Remedial action: The SW image on the NE may have been inadvertently corrupted. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

Table 7-156 PrimaryPathLimitReached

Alarm	Attributes	Applicable major NE releases
Name: PrimaryPathLimitReached (457) Type: resourceAlarm (28) Package: equipment Raised on class: equipment.DaughterCard	Severity: warning Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the Ingress Multicast Path Management primary path bandwidth limit is reached.		
Raising condition: (('Primary Path Limit Override' > '0') AND ('Primary Path In use' >= (1000 * 'Primary Path Limit Override'))"		
Clearing condition: (('Primary Path Limit Override' > '0') AND ('Primary Path In use' < (1000 * 'Primary Path Limit Override'))"		
Remedial action: Informational - The alarm is raised when the Ingress Multicast Path Management primary path bandwidth limit is reached. This can be remedied by modifying the primary path limit located at T1 Paths tab of the multicast bandwidth policy which assigned to the card, or increase the primary path limit override located at the Daughter Card tab under Daughter Card Slot form.		

Table 7-157 PTPNotQualified

Alarm	Attributes	Applicable major NE releases
Name: PTPNotQualified (3611) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPNotQualified (1400)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when PTP on an NE is not in the Qualified state.		
Raising condition: (('Qualified For Use' EQUAL 'Not Qualified'))		
Clearing condition: (('Qualified For Use' NOT EQUAL 'Not Qualified'))		
Remedial action: Check the communication path is up between the local PTP slave clock and its selected master		

Table 7-158 PTPPeerLossOfAnnounce

Alarm	Attributes	Applicable major NE releases
Name: PTPPeerLossOfAnnounce (3608) Type: communicationsAlarm (4) Package: ptp Raised on class: ptp.IEEEPTPPeer	Severity: minor Implicitly cleared: true Default probable cause: PTPPeerLossOfAnnounce (1397)	<ul style="list-style-type: none"> • 5.0.0 • 6.0.0
Description: The alarm is raised when the PTP peer is in the 'Packet Timing Signal Fail (Loss Announce)' state. This indicates that the PTP announce messages are not received from the remote master.		
Raising condition: (('Master GM Alarms'anyBit'Loss of Announce'))		
Clearing condition: NOT (('Master GM Alarms'anyBit'Loss of Announce'))		
Remedial action: Please check if Configured Peer IP address is reachable (ping <Peer Ip>) from the this SR node and PTP configuration is proper.		

Table 7-159 PTPPeerLossOfSync

Alarm	Attributes	Applicable major NE releases
Name: PTPPeerLossOfSync (3609) Type: communicationsAlarm (4) Package: ptp Raised on class: ptp.IEEEPTPPeer	Severity: minor Implicitly cleared: true Default probable cause: PTPPeerLossOfSync (1398)	<ul style="list-style-type: none"> • 5.0.0 • 6.0.0
Description: The alarm is raised when the PTP peer is in the 'Packet Timing Signal Fail (Loss Sync)' state. This indicates that the PTP timing messages are not received from the remote master.		
Raising condition: (('Master GM Alarms'anyBit'Loss of Sync'))		
Clearing condition: NOT (('Master GM Alarms'anyBit'Loss of Sync'))		
Remedial action: Please check if Configured Peer IP address is reachable (ping <Peer Ip>) from the this SR node and PTP configuration is proper.		

Table 7-160 PTPReferenceLossOfSignal

Alarm	Attributes	Applicable major NE releases
Name: PTPReferenceLossOfSignal (3613) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPReferenceLossOfSignal (1402)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the PTP reference on an NE is not qualified due to Loss of Signal.		
Raising condition: (('Not Qualified Due To'anyBit'LOS'))		
Clearing condition: NOT (((('Not Qualified Due To'anyBit'LOS'))))		
Remedial action: Check the communication path is up between the local PTP slave clock and its selected master		

Table 7-161 PTPReferenceOutOfFrequency

Alarm	Attributes	Applicable major NE releases
Name: PTPReferenceOutOfFrequency (3614) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPReferenceOutOfFrequency (1403)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the PTP Reference on an NE is not qualified due to Out of frequency.		
Raising condition: (('Not Qualified Due To'anyBit'OOF'))		
Clearing condition: NOT (((('Not Qualified Due To'anyBit'OOF'))))		
Remedial action: Make sure that frequency configured for Reference One is correct.		

Table 7-162 PTPReferenceOutOfPollInRange

Alarm	Attributes	Applicable major NE releases
Name: PTPReferenceOutOfPollInRange (3615) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPReferenceOutOfPollInRange (1404)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the PTP Reference on an NE is not qualified state due to Out of poll in range.		
Raising condition: (('Not Qualified Due To'anyBit'OOPIR'))		
Clearing condition: NOT (((('Not Qualified Due To'anyBit'OOPIR'))))		
Remedial action: If there is packet flow, the PTP slave clock is in it's initial acquiring states where the sync-if-timing reference does not qualify just wait.		

Table 7-163 RadiusOperStatusDown

Alarm	Attributes	Applicable major NE releases
Name: RadiusOperStatusDown (3692) Type: radiusOperStatusDownAlarm (105) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: radiusOperationStatusDown (1431)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when all RADIUS servers have gone down.		
Raising condition: ('Global RADIUS Operational State' EQUAL 'Down')		
Clearing condition: ('Global RADIUS Operational State' EQUAL 'Up')		
Remedial action: Verify the RADIUS server is properly configured and radius server state is up. Check the connectivity between SAM server and radius server configured on the Network element.		

Table 7-164 ReachabilityProblem

Alarm	Attributes	Applicable major NE releases
Name: ReachabilityProblem (243) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ReachabilityTestFailed (176)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when an Mediation poll of the SysUpTimeAlarm object on an NE fails, for example, because of network congestion or because the NE is too busy to respond. The probable cause is an unreachable NE Mediation agent on the NE. By default, the 5620 SAM polls a managed NE every two minutes. If a poll fails, the alarm is raised. The 5620 SAM polls the NE two minutes after the first failure. If successive polls fail, the 5620 SAM raises the polling interval for the NE by two minutes after each failure to a maximum of 12 min. The polling interval remains at 12 min until the 5620 SAM receives a response from the NE. The alarm clears when the 5620 SAM receives a response from the NE, and the 5620 SAM GUI icon that represents the NE turns from red to green.		
Raising condition: ('SNMP Reachability' EQUAL 'Down')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 7-165 ReconfigFailure

Alarm	Attributes	Applicable major NE releases
Name: ReconfigFailure (1949) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: failedReconfig (937)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: This alarm is raised when the reconfig action failed.		
Raising condition: ('State' EQUAL 'Failed')		

(1 of 2)

7 – Alcatel-Lucent 7210 SAS M alarms

Alarm	Attributes	Applicable major NE releases
Clearing condition: ('State' NOT EQUAL 'Failed')		
Remedial action: Verify that the object is configured as expected.		

(2 of 2)

Table 7-166 RedundantMepMisconfiguration

Alarm	Attributes	Applicable major NE releases
Name: RedundantMepMisconfiguration (3631) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: minor Implicitly cleared: true Default probable cause: misconfiguredRedundantMep (1416)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when an Active and Redundant MEP do not have the same Id, Operational MAC Address or Sub Group configured.		
Raising condition: ('validRedundantMepConfig' EQUAL 'false')		
Clearing condition: ('validRedundantMepConfig' EQUAL 'true')		
Remedial action: MC-LAG redundant MEP configuration (MEP ID or Mac Address) for Active & Standby Interfaces do not match, this could cause issues with CFM or CCM tests if Active interface changes. Delete and Re-create Standby MEP to match Active.		

Table 7-167 RedundantMepMissing

Alarm	Attributes	Applicable major NE releases
Name: RedundantMepMissing (3632) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: minor Implicitly cleared: true Default probable cause: missingRedundantMep (1417)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a MEP misses a redundant counterpart on LAG or SAP.		
Raising condition: (('MC-LAG Inactive' NOT EQUAL 'Not Applicable') AND ('Redundant MEP' EQUAL '\'))		
Clearing condition: (('MC-LAG Inactive' EQUAL 'Not Applicable') OR (('MC-LAG Inactive' NOT EQUAL 'Not Applicable') AND ('Redundant MEP' NOT EQUAL '\')))		
Remedial action: MC-LAG redundant MEP is missing Active & Standby Interfaces, this will cause issues with CFM or CCM tests if Active interface changes. Create missing Active/Standby MEP to match existing.		

Table 7-168 RemoteMepCCMAAlarm

Alarm	Attributes	Applicable major NE releases
Name: RemoteMepCCMAAlarm (502) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: major Implicitly cleared: true Default probable cause: missingRemoteMep (388)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a MEP loses connectivity with one or more remote MEPs. The Remote MEP DB State tab on a MEP lists the missing remote MEPs.		
Raising condition: ('High-Priority Defect' NOT EQUAL '0')		
Clearing condition: ('High-Priority Defect' EQUAL '0')		
Remedial action: MEP has lost communication with Remote MEP defined in Maintenance Association (MEG) Remote MEP list, Either Remote MEP list is incorrect or diagnose connection fault and resolve.		

Table 7-169 RouteDistinguisherNotConfigured

Alarm	Attributes	Applicable major NE releases
Name: RouteDistinguisherNotConfigured (142) Type: configurationAlarm (11) Package: I3fwd Raised on class: I3fwd.ServiceSite	Severity: major Implicitly cleared: true Default probable cause: routeDistinguisherNotConfigured (113)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when no RD is configured for an L3 service site.		
Raising condition: ('routeDistinguisher' EQUAL "\00 00 00 00 00 00 00")		
Clearing condition: ('routeDistinguisher' NOT EQUAL "\00 00 00 00 00 00 00")		
Remedial action: A configuration error has occurred which must be corrected. The RD must be configured on the L3 Service Site in question.		

Table 7-170 RsvpDown

Alarm	Attributes	Applicable major NE releases
Name: RsvpDown (74) Type: ProtocolAlarm (1) Package: rsvp Raised on class: rsvp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when an RSVP site has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: The RSVP Site is down while it is administratively up. Please check MPLS is enabled and administratively up.		

Table 7-171 SaveConfigFailed

Alarm	Attributes	Applicable major NE releases
Name: SaveConfigFailed (105) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileAccessError (90)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the admin save command on an NE fails.		
Raising condition: ('Config Save State' EQUAL 'Failure')		
Clearing condition: ('Config Save State' EQUAL 'Success')		
Remedial action: Attempt the admin save command a second time. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 7-172 ScheduledPollerProblem

Alarm	Attributes	Applicable major NE releases
Name: ScheduledPollerProblem (4386) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: scheduledResyncFailed (1569)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
Raising condition: ('Scheduled Resync Status' EQUAL 'Scheduled Resync Failed')		
Clearing condition: ('Scheduled Resync Status' EQUAL 'Scheduled Resync Done')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 7-173 SdpBindingDown

Alarm	Attributes	Applicable major NE releases
Name: SdpBindingDown (221) Type: SdpBindingAlarm (30) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: SdpBindingNotReady (166)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when an SDP binding has an Operational State other than Up.		
Raising condition: (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'Standby For BGP Multi-Homing'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'Standby For BGP Multi-Homing'))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: To resolve this alarm check the SDP binding to determine if a configuration mismatch exists. If configuration is determined to be correct then the associated network interface may be down. Further investigation is required to determine why the underlying network interface is down.		

(2 of 2)

Table 7-174 SdpBindingTunnelDown

Alarm	Attributes	Applicable major NE releases
Name: SdpBindingTunnelDown (222) Type: CircuitAlarm (17) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: SdpTunnelNotReady (167)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when an SDP binding tunnel has an Operational State other than Up.		
Raising condition: (('Operational State' EQUAL 'Tunnel Not Ready') OR ('Operational State' EQUAL 'Tunnel Down'))		
Clearing condition: (('Operational State' NOT EQUAL 'Tunnel Not Ready') AND ('Operational State' NOT EQUAL 'Tunnel Down'))		
Remedial action: To resolve this alarm check the endpoints of the SDP binding to determine if a configuration mismatch exists. If configuration matches then the underlying network resource between the endpoints of the SDP may be down. Further investigation is required to determine why the underlying transport network is down.		

Table 7-175 SdpEgressIfsNetDomainInConsistent

Alarm	Attributes	Applicable major NE releases
Name: SdpEgressIfsNetDomainInConsistent (3616) Type: resourceAlarm (28) Package: svt Raised on class: svt.Tunnel	Severity: warning Implicitly cleared: true Default probable cause: sdpEgressIfsNetDomainInConsistent (1405)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the SDP egress interface's consistency state changes to inconsistent.		
Raising condition: ('Egress Interfaces Consistency State' EQUAL '3')		
Clearing condition: ('Egress Interfaces Consistency State' EQUAL '2')		
Remedial action: To resolve this alarm check egress interfaces of the SDP configuration. If configuration is determined to be correct check underlying physical transport. Further investigation is required.		

Table 7-176 SecondaryPathLimitReached

Alarm	Attributes	Applicable major NE releases
Name: SecondaryPathLimitReached (458) Type: resourceAlarm (28) Package: equipment Raised on class: equipment.DaughterCard	Severity: warning Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the Ingress Multicast Path Management secondary path bandwidth limit is reached.		
Raising condition: (('Secondary Path Limit Override' > '0') AND ('Secondary Path In use' >= (1000 * 'Secondary Path Limit Override'))"		
Clearing condition: (('Secondary Path Limit Override' > '0') AND ('Secondary Path In use' < (1000 * 'Secondary Path Limit Override'))"		
Remedial action: Informational - The alarm is raised when the Ingress Multicast Path Management secondary path bandwidth limit is reached. This can be remedied by modifying the secondary path limit located at T1 Paths tab of the multicast bandwidth policy which assigned to the card, or increase the secondary path limit override located at the Daughter Card tab under Daughter Card Slot form.		

Table 7-177 ServiceSiteDown

Alarm	Attributes	Applicable major NE releases
Name: ServiceSiteDown (97) Type: serviceAlarm (16) Package: service Raised on class: service.Site	Severity: critical Implicitly cleared: true Default probable cause: siteDown (83)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when all SAPs on a site are operationally down, or when the service tunnels for the site are operationally down.		
Raising condition: (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'All Spoke SDP Bindings are Standby'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'All Spoke SDP Bindings are Standby'))		
Remedial action: The network resources (i.e. physical ports for SAPs, or physical ports/LSP) associated with the service site should be examined to determine if/why they are operationally down. The underlying transport network supporting the site may also be unreliable.		

Table 7-178 SessionDown

Alarm	Attributes	Applicable major NE releases
Name: SessionDown (73) Type: ProtocolAlarm (1) Package: rsvp Raised on class: rsvp.Session	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when an RSVP session is operationally down.		
Raising condition: ('Operational State' EQUAL 'Down')		
Clearing condition: ('Operational State' EQUAL 'Up')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: Please check the RSVP session path to make sure all associated protocols/interfaces/connections are OK.		

(2 of 2)

Table 7-179 SingleSFMOverloadDetected

Alarm	Attributes	Applicable major NE releases
Name: SingleSFMOverloadDetected (843) Type: ProtocolAlarm (1) Package: I3fwd Raised on class: I3fwd.Site	Severity: major Implicitly cleared: true Default probable cause: singleSfmOverloadDetected (601)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a device reports a single-SFM overload. The alarm clears when the VR exits the Overload state.		
Raising condition: ('Overload State' EQUAL 'Overload')		
Clearing condition: ('Overload State' EQUAL 'Normal')		
Remedial action: Information - if the problem persists please contact Alcatel-Lucent support for assistance.		

Table 7-180 StatsRetrieveFailed

Alarm	Attributes	Applicable major NE releases
Name: StatsRetrieveFailed (244) Type: configurationAlarm (11) Package: sw Raised on class: sw.AccountingStatsRetrievalManager	Severity: major Implicitly cleared: false Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the 5620 SAM main or auxiliary server cannot transfer an accounting file from an NE.		
Raising condition: (('Stats Retrieval State' NOT EQUAL 'Success') AND ('Stats Retrieval State' NOT EQUAL 'Not Attempted'))		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy or otherwise cannot respond to the 5620 SAM main or auxiliary server.		

Table 7-181 StpExceptionCondition

Alarm	Attributes	Applicable major NE releases
Name: StpExceptionCondition (297) Type: AccessInterfaceAlarm (32) Package: I2fwd Raised on class: I2fwd.AccessInterfaceStp	Severity: major Implicitly cleared: true Default probable cause: StpException (228)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0

(1 of 2)

7 — Alcatel-Lucent 7210 SAS M alarms

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when a SAP detects an STP exception condition, for example, one-way communication or a downstream loop. The alarm clears when the STP condition changes.		
Raising condition: (('STP Exception Condition' NOT EQUAL 'None') AND ('Administrative State' EQUAL 'Up'))		
Clearing condition: (('STP Exception Condition' EQUAL 'None') OR ('Administrative State' EQUAL 'Down'))		
Remedial action: Check 'STP Exception Condition' field for more details and fix the STP exception.		

(2 of 2)

Table 7-182 StpRootGuardViolation

Alarm	Attributes	Applicable major NE releases
Name: StpRootGuardViolation (503) Type: AccessInterfaceAlarm (32) Package: I2fwd Raised on class: I2fwd.AccessInterfaceStp	Severity: warning Implicitly cleared: true Default probable cause: spanningTreeTopologyChanged (331)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a SAP detects an STP root guard violation.		
Raising condition: ('Root Guard Violation' EQUAL 'true')		
Clearing condition: ('Root Guard Violation' NOT EQUAL 'true')		
Remedial action: Set 'Root Guard' to false if not necessary.		

Table 7-183 SubscriberSystemNextHopUsageHigh

Alarm	Attributes	Applicable major NE releases
Name: SubscriberSystemNextHopUsageHigh (5157) Type: thresholdCrossed (6) Package: netw Raised on class: netw.NetworkElement	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit.		
Raising condition: ('IP Next Hop Usage High' EQUAL 'true')		
Clearing condition: ('IP Next Hop Usage High' EQUAL 'false')		
Remedial action: The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit. There is no immediate effect, but when the usage actually hits the limit, new hosts will not get their managed routes.		

Table 7-184 TemperatureThresholdCrossed

Alarm	Attributes	Applicable major NE releases
Name: TemperatureThresholdCrossed (7) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Environment	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a temperature crosses a threshold.		
Raising condition: ('temperatureThresholdCrossed' EQUAL 'true')		
Clearing condition: ('temperatureThresholdCrossed' EQUAL 'false')		
Remedial action: The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 7-185 TmnxEqPortEtherLoopDetected

Alarm	Attributes	Applicable major NE releases
Name: TmnxEqPortEtherLoopDetected (461) Type: portEtherLoopDetected (48) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a device detects a physical loop on an Ethernet port.		
Raising condition: (('Down When Looped Status' EQUAL 'Loop Detected'))		
Clearing condition: (('Down When Looped Status' EQUAL 'No Loop Detected'))		
Remedial action: An Ethernet port has been mis-cabled - please remove the loopback cable on the port.		

Table 7-186 TrapDestinationMisconfigured

Alarm	Attributes	Applicable major NE releases
Name: TrapDestinationMisconfigured (33) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: trapDestinationMisconfigured (26) Applicable probable causes: <ul style="list-style-type: none"> • trapDestinationMisconfigured • duplicateTrapLogId 	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the 5620 SAM cannot be added to the NE's SNMP trap destinations.		
Raising condition: ('isTrapDestinationMisconfigured' EQUAL 'true')		
Clearing condition: ('isTrapDestinationMisconfigured' EQUAL 'false')		

(1 of 2)

7 — Alcatel-Lucent 7210 SAS M alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: A configuration error has been made which must be corrected. The SNMP trap destination on the NE must be configured to the IP address of the SAM server.		

(2 of 2)

Table 7-187 TrapReceivingFailure

Alarm	Attributes	Applicable major NE releases
Name: TrapReceivingFailure (1083) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: false Default probable cause: trapsWillNotBeSent (822)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: This user-defined alarm is raised when the NE is unable to send traps because the NE configuration is one of the following: - The Management IP Selection is set to Out Of Band Only, the Primary Route Preference is set to In Band, and the Secondary Route Preference is set to None. - The Management IP Selection is set to In Band Only, the Primary Route Preference is set to Out Of Band, and the Secondary Route Preference is set to None.		
Raising condition: (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
Clearing condition: (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND ('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND ('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band'))))		
Remedial action: A configuration error has been made which must be corrected. The configuration error must be corrected per the discussion in the description for this alarm.		

Table 7-188 TrapRoutePreferenceRedundancyMissing

Alarm	Attributes	Applicable major NE releases
Name: TrapRoutePreferenceRedundancyMissing (1084) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: trapsRedundancyMissing (823)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The user-defined alarm is raised when NE management redundancy is configured without trap route preference redundancy.		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Raising condition: (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
Clearing condition: (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Secondary Route Preference' NOT EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Secondary Route Preference' NOT EQUAL 'None'))))		
Remedial action: A configuration error has been made which must be corrected. The IP address of the standby SAM server must be configured on the NE in question.		

(2 of 2)

Table 7-189 TunnelAdministrativelyDown (mpls)

Alarm	Attributes	Applicable major NE releases
Name: TunnelAdministrativelyDown (523) Type: pathAlarm (12) Package: mpls Raised on class: mpls.Tunnel	Severity: minor Implicitly cleared: true Default probable cause: tunnelAdministrativelyDown (333)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the 5620 SAM detects that an MPLS path is administratively down.		
Raising condition: ('Administrative' NOT EQUAL 'Up')		
Clearing condition: ('Administrative' EQUAL 'Up')		
Remedial action: Turn up the corresponding MPLS path.		

Table 7-190 TunnelAdministrativelyDown (svt)

Alarm	Attributes	Applicable major NE releases
Name: TunnelAdministrativelyDown (523) Type: pathAlarm (12) Package: svt Raised on class: svt.Tunnel	Severity: minor Implicitly cleared: true Default probable cause: tunnelAdministrativelyDown (333)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the 5620 SAM detects that a service tunnel is administratively down.		
Raising condition: ('administrativeState' NOT EQUAL 'Up')		
Clearing condition: ('administrativeState' EQUAL 'Up')		
Remedial action: Informational - an operator has manually turned down a service tunnel.		

Table 7-191 TunnelDown (mpls)

Alarm	Attributes	Applicable major NE releases
Name: TunnelDown (30) Type: pathAlarm (12) Package: mpls Raised on class: mpls.Tunnel	Severity: warning Implicitly cleared: true Default probable cause: tunnelDown (23)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when an MPLS path has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up'))		
Clearing condition: (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up'))		
Remedial action: Check the network resources along the path.		

Table 7-192 TunnelDown (svt)

Alarm	Attributes	Applicable major NE releases
Name: TunnelDown (30) Type: pathAlarm (12) Package: svt Raised on class: svt.AbstractTunnel	Severity: critical Implicitly cleared: true Default probable cause: tunnelDown (23)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the 5620 SAM detects that a service tunnel is operationally down.		
Raising condition: (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up'))		
Clearing condition: (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up'))		
Remedial action: This alarm indicates that a problem has been made in the underlying transport network. If the alarm persists or re-occurs frequently then investigation of the underlying transport issues is warranted.		

Table 7-193 UnidentifiedNode

Alarm	Attributes	Applicable major NE releases
Name: UnidentifiedNode (1922) Type: communicationsAlarm (4) Package: netw Raised on class: netw.DiscoveredNode	Severity: major Implicitly cleared: true Default probable cause: unidentifiedNode (922)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the node being discovered can not be properly identified.		
Raising condition: ('State' EQUAL 'Pending Identification')		
Clearing condition: ('State' NOT EQUAL 'Pending Identification')		
Remedial action: A configuration error has occurred that must be corrected. The eNodeB does not have a system name. The name can be configured by selecting the alarm, opening the associated properties form for the alarmed object and configuring the system name.		

Table 7-194 UnmanageFailed

Alarm	Attributes	Applicable major NE releases
Name: UnmanageFailed (300) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.NodeDiscoveryControl	Severity: warning Implicitly cleared: true Default probable cause: unableToDeleteNode (231)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when an attempt to unmanage an NE fails.		
Raising condition: ('Site State' EQUAL 'unmanage failed')		
Clearing condition: ('Site State' NOT EQUAL 'unmanage failed')		
Remedial action: Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 7-195 unsupportedPortUsage

Alarm	Attributes	Applicable major NE releases
Name: unsupportedPortUsage (5184) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: warning Implicitly cleared: true Default probable cause: incompatiblePortUsage (2100)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised in case unsupported port type is configured		
Raising condition: (('portId' >= '1L') AND ('portId' <= '4L') AND ('specificCardType' EQUAL 'EASv2') AND (('Port Usage' EQUAL 'MPT-HC') OR ('Port Usage' EQUAL 'MPT-MC')))"		
Clearing condition: NOT (((('portId' >= '1L') AND ('portId' <= '4L') AND ('specificCardType' EQUAL 'EASv2') AND (('Port Usage' EQUAL 'MPT-HC') OR ('Port Usage' EQUAL 'MPT-MC')))))"		
Remedial action: This alarm indicates unsupported port usage. Port usage configured on the NE is not supported by SAM.		

Table 7-196 UpgradedBuildVersionMismatch

Alarm	Attributes	Applicable major NE releases
Name: UpgradedBuildVersionMismatch (174) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: upgradedImageNotBooted (137)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the software version that an NE reports after a software upgrade does not match the version of the software used for the upgrade.		
Raising condition: ('upgradedBuildVersionMismatch' EQUAL 'true')		
Clearing condition: ('upgradedBuildVersionMismatch' EQUAL 'false')		
Remedial action: Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 7-197 upgradedCardAlarm

Alarm	Attributes	Applicable major NE releases
Name: upgradedCardAlarm (255) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: upgradedCard (194)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the standby CPM is rebooted and operational after a software upgrade. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
Raising condition: ('operationalState' EQUAL 'Upgrade')		
Clearing condition: ('operationalState' EQUAL 'Up')		
Remedial action: Informational - no corrective action required.		

Table 7-198 VersionConfigRestoreFailed

Alarm	Attributes	Applicable major NE releases
Name: VersionConfigRestoreFailed (536) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: versionMismatch (405)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the restore procedure on an NE fails because of a mismatch between the backup file set version and the NE software version.		
Raising condition: ('lastNmsVersionRestoreState' EQUAL 'Failure')		
Clearing condition: ('lastNmsVersionRestoreState' EQUAL 'Success')		
Remedial action: The backup files being restored do not match with the version of node software release. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

Table 7-199 VirtualLinkDown

Alarm	Attributes	Applicable major NE releases
Name: VirtualLinkDown (122) Type: VirtualLinkAlarm (21) Package: ospf Raised on class: ospf.VirtualLink	Severity: warning Implicitly cleared: true Default probable cause: VirtualLinkDown (104)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a virtual link is Down.		
Raising condition: ('Operational State' EQUAL 'Down')		
Clearing condition: ('Operational State' NOT EQUAL 'Down')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: This alarm is raised when the OSPF virtual link is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

(2 of 2)

Table 7-200 VirtualNeighborDown

Alarm	Attributes	Applicable major NE releases
Name: VirtualNeighborDown (123) Type: VirtualNeighborDown (22) Package: ospf Raised on classes: <ul style="list-style-type: none"> ospf.ShamLink ospf.VirtualLink 	Severity: warning Implicitly cleared: true Default probable cause: VirtualNeighborDown (105)	<ul style="list-style-type: none"> 4.0.0 5.0.0 6.0.0
Description: The alarm is raised when a neighbor virtual link is operationally down.		
Raising condition: ('neighborCount' EQUAL '0L')		
Clearing condition: ('neighborCount' NOT EQUAL '0L')		
Remedial action: This alarm is raised when the OSPF neighbor virtual link is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 7-201 WrongCpaaSoftwareVersion

Alarm	Attributes	Applicable major NE releases
Name: WrongCpaaSoftwareVersion (791) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: wrongCpaaSoftwareVersion (559)	<ul style="list-style-type: none"> 4.0.0 5.0.0 6.0.0
Description: The alarm is raised when the 7701 CPAA software is the wrong version and requires an upgrade.		
Raising condition: (('Software Version' EQUAL '"TIMOS-B-3.0.Generic "') AND ('Chassis Type' EQUAL '7701 CPAA'))		
Clearing condition: (('Software Version' NOT EQUAL '"TIMOS-B-3.0.Generic "') AND ('Chassis Type' EQUAL '7701 CPAA'))		
Remedial action: The SW version of the CPAA must be upgraded to the version compatible with CPAM version.		

Table 7-202 XplError

Alarm	Attributes	Applicable major NE releases
Name: XplError (573) Type: hardwareAnomaly (55) Package: equipment Raised on class: equipment.DaughterCard	Severity: minor Implicitly cleared: true Default probable cause: xplError (443)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when an MDA reports persistent XPL Errors.		
Raising condition: ('Number Of Notifications' NOT EQUAL '0')		
Clearing condition: ('Number Of Notifications' EQUAL '0')		
Remedial action: Informational - if the condition persists then the MDA indicated in the alarm should be replaced.		

8 — Alcatel-Lucent 7210 SAS R alarms



Note — Some alarms that the 5620 SAM can raise against this device may not be listed in this chapter. Associating alarms with specific NE types is an ongoing Alcatel-Lucent effort. If the 5620 SAM raises an alarm against this device type, and the alarm is not described in this chapter, see chapter [35](#) for information about the alarm.

Table 8-1 AccessInterfaceDown

Alarm	Attributes	Applicable major NE releases
Name: AccessInterfaceDown (249) Type: AccessInterfaceAlarm (32) Package: service Raised on class: service.AccessInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when an L2 or L3 interface operational state is Down. The alarm is not raised against an L2 access interface that is associated with an MC ring or MC LAG in the standby state.		
Raising condition: (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'Standby For MC-Ring') AND ('State Cause' NOT EQUAL 'Standby For MC-Lag') AND ('State Cause' NOT EQUAL 'Standby For BGP Multi-homing'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'Standby For MC-Ring') OR ('State Cause' EQUAL 'Standby For MC-Lag') OR ('State Cause' EQUAL 'Standby For BGP Multi-homing'))		
Remedial action: The condition exists because the physical interface is down either because it is administratively disabled, faulty or a cabling fault has occurred. Ensure that the interface is administratively up. Check for a poor cable connection to the port or for a faulty cable/fiber. If neither appears to be the problem run diagnostics on the port to determine if it is faulty.		

Table 8-2 ActiveAbnormalCondition

Alarm	Attributes	Applicable major NE releases
Name: ActiveAbnormalCondition (3938) Type: activeAbnormalConditionAlarm (116) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ActiveAbnormalConditionState (1520)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is an indication for abnormal condition on NE.		
Raising condition: ('abnormalCondition' EQUAL 'true')		
Clearing condition: ('abnormalCondition' EQUAL 'false')		
Remedial action: This alarm is raised when there is a abnormal state indication on NE.		

Table 8-3 AGWDiameterPeerDown

Alarm	Attributes	Applicable major NE releases
Name: AGWDiameterPeerDown (844) Type: EpcAlarm (59) Package: lte Raised on class: lte.AGWDiameterPeer	Severity: variable Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the path management state of a Diameter peer changes to a state other than Up.		
Raising condition: ('Path Diameter Management State' NOT EQUAL 'Active')		
Clearing condition: ('Path Diameter Management State' EQUAL 'Active')		
Remedial action: A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

Table 8-4 AncillaryPathLimitReached

Alarm	Attributes	Applicable major NE releases
Name: AncillaryPathLimitReached (459) Type: resourceAlarm (28) Package: equipment Raised on class: equipment.DaughterCard	Severity: warning Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the Ingress Multicast Path Management ancillary path bandwidth limit is reached.		
Raising condition: (('Ancillary Path Limit Override' > '0') AND ('Ancillary Path In use' >= (1000 * 'Ancillary Path Limit Override'))"		
Clearing condition: (('Ancillary Path Limit Override' > '0') AND ('Ancillary Path In use' < (1000 * 'Ancillary Path Limit Override'))"		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: Informational - The alarm is raised when the Ingress Multicast Path Management ancillary path bandwidth limit is reached. This can be remedied by modifying the ancillary path limit located at T1 Paths tab of the multicast bandwidth policy which assigned to the card, or increase the ancillary path limit override located at the Daughter Card tab under Daughter Card Slot form.		

(2 of 2)

Table 8-5 AreaTypeMismatch

Alarm	Attributes	Applicable major NE releases
Name: AreaTypeMismatch (38) Type: configurationAlarm (11) Package: ospf Raised on class: ospf.Area	Severity: warning Implicitly cleared: true Default probable cause: areaTypeMisconfigured (34)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when an OSPF area on one NE is configured as an NSSA and the same OSPF area on another NE is configured as a stub area.		
Raising condition: ('Type Mismatch' EQUAL 'true')		
Clearing condition: ('Type Mismatch' EQUAL 'false')		
Remedial action: A configuration error has been made which must be corrected. The OSPF area type configured for the NE does not match with the same OSPF area configured on another NE. Compare the configuration on the endpoint and correct the mismatch.		

Table 8-6 AsymmetricalConfig (multichassis)

Alarm	Attributes	Applicable major NE releases
Name: AsymmetricalConfig (295) Type: configurationAlarm (11) Package: multichassis Raised on classes: <ul style="list-style-type: none"> multichassis.AbstractMultiChassisLag multichassis.MultiChassisLagMember multichassis.AbstractMultiChassisPeer 	Severity: major Implicitly cleared: true Default probable cause: asymmetricalConfig (226)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when there is a peer configuration mismatch that prevents MC operation.		
Raising condition: ('Config Mismatches' NOT EQUAL '0L')		
Clearing condition: ('Config Mismatches' EQUAL '0L')		
Remedial action: Check configurations on both members to see anything not matched.		

Table 8-7 AuthKeyConflict (rsvp)

Alarm	Attributes	Applicable major NE releases
Name: AuthKeyConflict (5188) Type: processingErrorAlarm (81) Package: rsvp Raised on class: rsvp.AuthenticationKey	Severity: warning Implicitly cleared: true Default probable cause: AuthKeyConflict (2103)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when both Authentication Key and RSVP Keychain are configured. RSVP Keychain will be used.		
Raising condition: (('RSVP Keychain' NOT EQUAL '\\"') AND ('enableAuthentication' EQUAL 'true'))		
Clearing condition: (('RSVP Keychain' EQUAL '\\"') OR ('enableAuthentication' NOT EQUAL 'true'))		
Remedial action: Authentication Key and RSVP Keychain are both configured. RSVP Keychain will be used. The alarm is cleared when only one is configured.		

Table 8-8 AuxiliaryServerStatus

Alarm	Attributes	Applicable major NE releases
Name: AuxiliaryServerStatus (311) Type: communicationsAlarm (4) Package: server Raised on class: server.AuxiliaryServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when a 5620 SAM main server cannot communicate with an auxiliary server. The alarm clears when communication is restored.		
Raising condition: ('Server Status' EQUAL 'Down')		
Clearing condition: ('Server Status' EQUAL 'Up')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the AUX and SAM servers is unreliable.		

Table 8-9 BgpDown

Alarm	Attributes	Applicable major NE releases
Name: BgpDown (6) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when a BGP instance has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: The BGP protocol entity is down - administratively disable BGP and re-enable. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 8-10 BITS2NotQualified

Alarm	Attributes	Applicable major NE releases
Name: BITS2NotQualified (1941) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: timingReferenceNotQualified (418)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the BITS-2 timing reference on an NE is not in the Qualified state.		
Raising condition: (('Qualified For Use' EQUAL 'Not Qualified') AND ('Input Administrative State' NOT EQUAL 'Down'))		
Clearing condition: (('Qualified For Use' NOT EQUAL 'Not Qualified') OR ('Input Administrative State' EQUAL 'Down'))		
Remedial action: Make sure that BITS2 is qualified		

Table 8-11 BITSNotQualified

Alarm	Attributes	Applicable major NE releases
Name: BITSNotQualified (547) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: timingReferenceNotQualified (418)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the BITS timing reference on an NE is not in the Qualified state.		
Raising condition: (('Qualified For Use' EQUAL 'Not Qualified') AND ('Output Administrative State' NOT EQUAL 'Down'))		
Clearing condition: (('Qualified For Use' NOT EQUAL 'Not Qualified') OR ('Output Administrative State' EQUAL 'Down'))		
Remedial action: Make sure that BITS is qualified		

Table 8-12 BITSReferenceLossOfSignal

Alarm	Attributes	Applicable major NE releases
Name: BITSReferenceLossOfSignal (1950) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: BITSReferenceLossOfSignal (938)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the BITS reference on an NE is not qualified due to Loss of Signal.		
Raising condition: (('Not Qualified Due To'anyBit'LOS'))		
Clearing condition: NOT (((('Not Qualified Due To'anyBit'LOS'))))		
Remedial action: Make sure that peer connected to BITS is properly configured.		

Table 8-13 BITSReferenceOutOfFrequency

Alarm	Attributes	Applicable major NE releases
Name: BITSReferenceOutOfFrequency (1951) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: BITSReferenceOutOfFrequency (939)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the BITS Reference on an NE is not qualified due to Out of frequency.		
Raising condition: (('Not Qualified Due To'anyBit'OOF'))		
Clearing condition: NOT (('Not Qualified Due To'anyBit'OOF'))		
Remedial action: Make sure that frequency configured for BITS is correct.		

Table 8-14 BITSReferenceOutOfPollInRange

Alarm	Attributes	Applicable major NE releases
Name: BITSReferenceOutOfPollInRange (1952) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: BITSReferenceOutOfPollInRange (940)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the BITS Reference on an NE is not qualified state due to Out of poll in range.		
Raising condition: (('Not Qualified Due To'anyBit'OOPIR'))		
Clearing condition: NOT (('Not Qualified Due To'anyBit'OOPIR'))		
Remedial action: Check the BITS is configured correctly. Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary		

Table 8-15 BootableConfigBackupFailed

Alarm	Attributes	Applicable major NE releases
Name: BootableConfigBackupFailed (103) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the 5620 SAM fails to back up a set of NE configuration files.		
Raising condition: ('Backup State' EQUAL 'Failure')		
Clearing condition: ('Backup State' EQUAL 'Success')		
Remedial action: Investigation is required to resolve the following possible scenarios: insufficient disk space is available to accommodate the NE configuration files (additional SAM platform alarms will accompany this alarm); the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

Table 8-16 BootableConfigRestoreFailed

Alarm	Attributes	Applicable major NE releases
Name: BootableConfigRestoreFailed (104) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the 5620 SAM fails to restore a set of NE configuration files.		
Raising condition: ('Restore State' EQUAL 'Failure')		
Clearing condition: ('Restore State' EQUAL 'Success')		
Remedial action: Investigation is required to resolve the following possible scenarios: the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

Table 8-17 BootParametersMisconfigured

Alarm	Attributes	Applicable major NE releases
Name: BootParametersMisconfigured (35) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: persistentIndexFailure (30) Applicable probable causes: <ul style="list-style-type: none"> persistentIndexFailure configFileBootFailure 	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the SNMP Index Boot Status on an NE is not set to Persistent.		
Raising condition: (('isGenericNode' EQUAL 'false') AND ('State' NOT EQUAL 'Pre-provisioned') AND (('Config File Status' NOT EQUAL 'Executed Successfully') OR ('Persistent Index Status' NOT EQUAL 'Rebuild Succeeded')))		
Clearing condition: (('Config File Status' EQUAL 'Executed Successfully') AND ('Persistent Index Status' EQUAL 'Rebuild Succeeded'))		
Remedial action: Ensure that "SNMP Index Boot Status" is persistent (using cli command "show system information" on the NE). If not, unmanage the network element from SAM, ensure that "persist on" is set in the bof file, save the bof, save a config file, verify that an index file (.ndx) is saved as well, reboot the router, verify that SNMP Index Boot Status is persistent and finally remanage the router from SAM.		

Table 8-18 CircuitStpExceptionCondition

Alarm	Attributes	Applicable major NE releases
Name: CircuitStpExceptionCondition (648) Type: SdpBindingAlarm (30) Package: l2fwd Raised on class: l2fwd.CircuitStp	Severity: major Implicitly cleared: true Default probable cause: StpException (228)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when an NE detects an STP exception condition on a SAP, for example, one-way communication or a downstream loop. The alarm clears when the STP status changes.		

(1 of 2)

8 — Alcatel-Lucent 7210 SAS R alarms

Alarm	Attributes	Applicable major NE releases
Raising condition: (('STP Exception Condition' NOT EQUAL 'None') AND ('Administrative State' EQUAL 'Up'))		
Clearing condition: (('STP Exception Condition' EQUAL 'None') OR ('Administrative State' EQUAL 'Down'))		
Remedial action: Check 'STP Exception Condition' field for more details and fix the STP exception.		

(2 of 2)

Table 8-19 ClientDelegateServerStatus

Alarm	Attributes	Applicable major NE releases
Name: ClientDelegateServerStatus (731) Type: communicationsAlarm (4) Package: server Raised on class: server.ClientDelegateServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when a client delegate server is unreachable.		
Raising condition: ('Server Status' EQUAL 'Down')		
Clearing condition: ('Server Status' EQUAL 'Up')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the client delegate platform and SAM servers is unreliable or the client delegate server itself is unreliable.		

Table 8-20 ContainingEquipmentAdministrativelyDown

Alarm	Attributes	Applicable major NE releases
Name: ContainingEquipmentAdministrativelyDown (466) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: minor Implicitly cleared: true Default probable cause: containingEquipmentAdministrativelyDown (330)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentAdministrativelyDown.		
Raising condition: (('Status' EQUAL 'Parent Admin Down') AND ('isTerminatable' EQUAL 'true'))		
Clearing condition: (('Status' NOT EQUAL 'Parent Admin Down') OR ('isTerminatable' NOT EQUAL 'true'))		
Remedial action: Informational - no corrective action required.		

Table 8-21 ContainingEquipmentMismatch

Alarm	Attributes	Applicable major NE releases
Name: ContainingEquipmentMismatch (464) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentMismatch (328)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentMismatch.		
Raising condition: (('Status' EQUAL 'Parent Type Mismatch') AND ('isTerminatable' EQUAL 'true'))		
Clearing condition: (('Status' NOT EQUAL 'Parent Type Mismatch') OR ('isTerminatable' NOT EQUAL 'true'))		
Remedial action: A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

Table 8-22 ContainingEquipmentOperationallyDown

Alarm	Attributes	Applicable major NE releases
Name: ContainingEquipmentOperationallyDown (465) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentDown (329)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentOperationallyDown.		
Raising condition: (('Status' EQUAL 'Parent Oper Down') AND ('isTerminatable' EQUAL 'true'))		
Clearing condition: (('Status' NOT EQUAL 'Parent Oper Down') OR ('isTerminatable' NOT EQUAL 'true'))		
Remedial action: The operational state of the equipment element indicated in the alarm is down. This may be due to the element's administrative state or it may indicate that the element has failed.		

Table 8-23 CorruptImageFile

Alarm	Attributes	Applicable major NE releases
Name: CorruptImageFile (171) Type: configurationAlarm (11) Package: mediation Raised on class: mediation.AbstractSoftwareFolderDescriptor	Severity: critical Implicitly cleared: true Default probable cause: invalidOrCorruptImageFile (134)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when one or more files in the 5620 SAM software image specified for a device software upgrade is invalid, corrupt or absent. The 5620 SAM validates a device software file set before it imports the file set and distributes it to an NE. Ensure that the file set downloads properly to the NE and is not tampered with before you re-attempt the upgrade. The alarm clears when a valid file set is on the NE and the 5620 SAM activates the software image in the file set.		
Raising condition: ('isImageValid' EQUAL 'false')		

(1 of 2)

8 — Alcatel-Lucent 7210 SAS R alarms

Alarm	Attributes	Applicable major NE releases
Clearing condition: ('isImageValid' EQUAL 'true')		
Remedial action: The existing SW image in the SAM database should be replaced with an image that is known to be complete and valid.		

(2 of 2)

Table 8-24 DDMAux1HighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMAux1HighAlarm (495) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: aux1HighAlarm (381)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the manufacturer-specific Auxiliary 1 of the XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux1 High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux1 High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 8-25 DDMAux1HighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMAux1HighWarning (494) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: aux1HighWarning (380)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the manufacturer-specific Auxiliary 1 of the XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux1 High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux1 High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 8-26 DDMAux1LowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMAux1LowAlarm (493) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: aux1LowAlarm (379)	<ul style="list-style-type: none"> 6.0.0

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when the manufacturer-specific Auxiliary 1 of the XFP reaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux1 Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux1 Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

(2 of 2)

Table 8-27 DDMAux1LowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMAux1LowWarning (492) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: aux1LowWarning (378)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the manufacturer-specific Auxiliary 1 of the XFP approaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux1 Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux1 Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 8-28 DDMAux2HighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMAux2HighAlarm (499) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: aux2HighAlarm (385)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the manufacturer-specific Auxiliary 2 of the XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux2 High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux2 High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 8-29 DDMAux2HighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMAux2HighWarning (498) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: aux2HighWarning (384)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the manufacturer-specific Auxiliary 2 of the XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux2 High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux2 High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 8-30 DDMAux2LowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMAux2LowAlarm (497) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: aux2LowAlarm (383)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the manufacturer-specific Auxiliary 2 of the XFP reaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux2 Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux2 Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 8-31 DDMAux2LowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMAux2LowWarning (496) Type: communicatiothresholdAlarmnsAlarm (50) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: aux2LowWarning (382)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the manufacturer-specific Auxiliary 2 of the XFP approaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux2 Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux2 Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 8-32 DDMRxOpticalPowerHighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMRxOpticalPowerHighAlarm (491) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: rxOpticalPowerHighAlarm (377)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the received optical power of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBitRx Optical Power High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBitRx Optical Power High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 8-33 DDMRxOpticalPowerHighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMRxOpticalPowerHighWarning (490) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: rxOpticalPowerHighWarning (376)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the received optical power of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBitRx Optical Power High Warning')		
Clearing condition: NOT (('failedThresholds'anyBitRx Optical Power High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 8-34 DDMRxOpticalPowerLowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMRxOpticalPowerLowAlarm (489) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: rxOpticalPowerLowAlarm (375)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the received optical power of an SFP or XFP reaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBitRx Optical Power Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBitRx Optical Power Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 8-35 DDMRxOpticalPowerLowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMRxOpticalPowerLowWarning (488) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: rxOpticalPowerLowWarning (374)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the received optical power of an SFP or XFP approaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBitRx Optical Power Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBitRx Optical Power Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 8-36 DDMSupplyVoltageHighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMSupplyVoltageHighAlarm (479) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: supplyVoltageHighAlarm (365)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the supply voltage of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBitSupply Voltage High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBitSupply Voltage High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 8-37 DDMSupplyVoltageHighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMSupplyVoltageHighWarning (478) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: supplyVoltageHighWarning (364)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the supply voltage of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBitSupply Voltage High Warning')		
Clearing condition: NOT (('failedThresholds'anyBitSupply Voltage High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 8-38 DDMSupplyVoltageLowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMSupplyVoltageLowAlarm (477) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: supplyVoltageLowAlarm (363)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the supply voltage of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Supply Voltage Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Supply Voltage Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 8-39 DDMSupplyVoltageLowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMSupplyVoltageLowWarning (476) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: supplyVoltageLowWarning (362)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the supply voltage of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Supply Voltage Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Supply Voltage Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 8-40 DDMTemperatureHighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTemperatureHighAlarm (475) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: temperatureHighAlarm (361)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the temperature of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Temperature High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Temperature High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 8-41 DDMTemperatureHighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTemperatureHighWarning (474) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: temperatureHighWarning (360)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the temperature of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Temperature High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Temperature High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 8-42 DDMTemperatureLowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTemperatureLowAlarm (473) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: temperatureLowAlarm (359)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the temperature of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Temperature Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Temperature Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 8-43 DDMTemperatureLowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTemperatureLowWarning (472) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: temperatureLowWarning (358)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the temperature of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Temperature Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Temperature Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 8-44 DDMTxBiasCurrentHighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTxBiasCurrentHighAlarm (483) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: txBiasCurrentHighAlarm (369)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the transmit bias current of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Bias Current High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Bias Current High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 8-45 DDMTxBiasCurrentHighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTxBiasCurrentHighWarning (482) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: txBiasCurrentHighWarning (368)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the transmit bias current of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Bias Current High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Bias Current High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 8-46 DDMTxBiasCurrentLowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTxBiasCurrentLowAlarm (481) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: txBiasCurrentLowAlarm (367)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the transmit bias current of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Bias Current Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Bias Current Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 8-47 DDMTxBiasCurrentLowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTxBiasCurrentLowWarning (480) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: txBiasCurrentLowWarning (366)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the transmit bias current of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Bias Current Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Bias Current Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 8-48 DDMTxOutputPowerHighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTxOutputPowerHighAlarm (487) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: txOutputPowerHighAlarm (373)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the output power of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Output Power High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Output Power High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 8-49 DDMTxOutputPowerHighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTxOutputPowerHighWarning (486) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: txOutputPowerHighWarning (372)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the output power of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Output Power High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Output Power High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 8-50 DDMTxOutputPowerLowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTxOutputPowerLowAlarm (485) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: txOutputPowerLowAlarm (371)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the output power of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Output Power Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Output Power Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 8-51 DDMTxOutputPowerLowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTxOutputPowerLowWarning (484) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: txOutputPowerLowWarning (370)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the output power of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Output Power Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Output Power Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 8-52 downgradedCardAlarm

Alarm	Attributes	Applicable major NE releases
Name: downgradedCardAlarm (256) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: downgradedCard (195)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when an IOM is not upgraded or reset after a device software upgrade of both CPMs. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
Raising condition: ('operationalState' EQUAL 'Downgrade')		
Clearing condition: ('operationalState' EQUAL 'Up')		
Remedial action: Informational - no corrective action required.		

Table 8-53 EfmOamAlarm

Alarm	Attributes	Applicable major NE releases
Name: EfmOamAlarm (4617) Type: equipmentAlarm (3) Package: ethernetEquipment Raised on class: ethernetEquipment.Dot3Oam	Severity: minor Implicitly cleared: true Default probable cause: EFMOperationalStateOutOfService (1886)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when EFM Ignore status is Enabled, and Physical port Administrative State is Down.		
Raising condition: ('Ignore EFM State' EQUAL 'true')		
Clearing condition: ('Ignore EFM State' EQUAL 'true')		
Remedial action: The alarm is raised when EFM Ignore status is Enabled, and Physical port Administrative State is Down.		

Table 8-54 EquipmentAdministrativelyDown

Alarm	Attributes	Applicable major NE releases
Name: EquipmentAdministrativelyDown (455) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: minor Implicitly cleared: true Default probable cause: equipmentAdministrativelyDown (326)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentAdministrativelyDown.		
Raising condition: ('compositeEquipmentState' EQUAL 'Admin Down')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Admin Down')		
Remedial action: Informational - no corrective action required.		

Table 8-55 EquipmentDegraded

Alarm	Attributes	Applicable major NE releases
Name: EquipmentDegraded (604) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: minor Implicitly cleared: true Default probable cause: singleFanFailure (450)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when a single fan fails. The chassis attempts to continue operating within the normal temperature range using only the remaining fans.		
Raising condition: ('Device State' EQUAL 'MinorFailure')		
Clearing condition: ('Device State' NOT EQUAL 'MinorFailure')		
Remedial action: The failed fan unit should be replaced.		

Table 8-56 EquipmentDown

Alarm	Attributes	Applicable major NE releases
Name: EquipmentDown (10) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: inoperableEquipment (8)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentOperationallyDown.		
Raising condition: ('compositeEquipmentState' EQUAL 'Oper Down')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Oper Down')		
Remedial action: This alarm indicates that a card in the NE has failed. The card must be replaced.		

Table 8-57 EquipmentFailure

Alarm	Attributes	Applicable major NE releases
Name: EquipmentFailure (145) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.ReplaceableUnit	Severity: critical Implicitly cleared: true Default probable cause: cardFailure (123)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when a control processor or power-supply tray reports a failure. When the object type is ControlProcessor, a CPM may be unable to boot. When the object type is Power Supply Tray and the alarm is raised during device discovery, a power-supply tray may be out of service. When the object type is a Power Supply Tray and the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
Raising condition: ('operationalState' EQUAL 'Failed')		
Clearing condition: ('operationalState' NOT EQUAL 'Failed')		
Remedial action: If the alarm indicates that the CPM card has a fault, remove the card and reset it. If this does not clear the alarm then please contact Alcatel-Lucent support for assistance. If the alarm indicates that the Power Supply tray is out of service ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 8-58 EquipmentInTest

Alarm	Attributes	Applicable major NE releases
Name: EquipmentInTest (11) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: warning Implicitly cleared: true Default probable cause: equipmentInTest (9)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when equipment enters a diagnostic state.		
Raising condition: ('compositeEquipmentState' EQUAL 'In Test')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'In Test')		

(1 of 2)

8 — Alcatel-Lucent 7210 SAS R alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: Informational - no corrective action required.		

(2 of 2)

Table 8-59 EquipmentMismatch

Alarm	Attributes	Applicable major NE releases
Name: EquipmentMismatch (9) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: equipmentTypeMismatch (7)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMismatch.		
Raising condition: ('compositeEquipmentState' EQUAL 'Type Mismatch')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Type Mismatch')		
Remedial action: A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

Table 8-60 EquipmentRemoved

Alarm	Attributes	Applicable major NE releases
Name: EquipmentRemoved (8) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: replaceableEquipmentRemoved (6)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMissing.		
Raising condition: (('compositeEquipmentState' EQUAL 'Removed') AND ('isEquipmentInserted' EQUAL 'true'))		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Removed')		
Remedial action: Informational - this alarm is raised when a card is removed.		

Table 8-61 EthernetPortConfiguredLoopback

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortConfiguredLoopback (801) Type: configurationAlarm (11) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: warning Implicitly cleared: true Default probable cause: ethernetPortConfiguredLoopback (567)	<ul style="list-style-type: none"> 6.0.0

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when a timed loopback is in effect for an Ethernet port.		
Raising condition: (('Type' NOT EQUAL 'None'))		
Clearing condition: (('Type' EQUAL 'None'))		
Remedial action: This alarm has been raised by the node because "Timed Loopback" option of the specific port's Ethernet property has been enabled. To resolve this problem from "Ethernet" tab of "Physical Port" properties form configure "Timed Loopback" Type property as "None".		

(2 of 2)

Table 8-62 EthernetPortDuplicateLane

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortDuplicateLane (3557) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: DuplicateLane (1387)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when a device reports a Duplicate Lane on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 8-63 EthernetPortHighBer

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortHighBer (307) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when a device reports a high bit-error rate on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))))		
Remedial action: One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 8-64 EthernetPortLocalFault

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortLocalFault (305) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: LocalFault (236)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when a device reports a local fault on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))		
Remedial action: One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 8-65 EthernetPortNoAmLock

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortNoAmLock (3558) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoAmLock (1388)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when a device reports a No Am Lock on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 8-66 EthernetPortNoBlockLock

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortNoBlockLock (3559) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoBlockLock (1389)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when a device reports a No Block Lock on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock'))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: NOT (((('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock'))))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

(2 of 2)

Table 8-67 EthernetPortNoFrameLock

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortNoFrameLock (306) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoFrameLock (237)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when a device reports No Frame Lock on an Ethernet port.		
Raising condition: ((('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock')))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock'))))		
Remedial action: One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 8-68 EthernetPortRemoteFault

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortRemoteFault (304) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: RemoteFault (235)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when a device reports a remote fault on an Ethernet port.		
Raising condition: ((('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault')))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault'))))		
Remedial action: One of the following conditions exists on the remote physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 8-69 EthernetPortSignalFailure

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortSignalFailure (303) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: SignalFailure (234)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when a device reports a signal failure on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))		
Remedial action: One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 8-70 ExternalTimingReferenceNotQualified

Alarm	Attributes	Applicable major NE releases
Name: ExternalTimingReferenceNotQualified (548) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: timingReferenceNotQualified (418)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the External timing reference on an NE is not in the Qualified state.		
Raising condition: (('Qualified For Use' EQUAL 'Not Qualified') AND ('Administrative State' NOT EQUAL 'Down'))		
Clearing condition: (('Qualified For Use' NOT EQUAL 'Not Qualified') OR ('Administrative State' EQUAL 'Down'))		
Remedial action: Informational		

Table 8-71 FanFailure

Alarm	Attributes	Applicable major NE releases
Name: FanFailure (624) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: fanFailure (116)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the associated fan is not operationally Up.		
Raising condition: (('Device State' EQUAL 'Failed') OR ('Device State' EQUAL 'Unknown') OR ('Device State' EQUAL 'OutOfservice'))		
Clearing condition: ('Device State' EQUAL 'OK')		
Remedial action: Remove and reset the fan unit. If this does not resolve the problem replace the fan.		

Table 8-72 FanTrayRemoved

Alarm	Attributes	Applicable major NE releases
Name: FanTrayRemoved (569) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: FanTrayRemoved (438)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the deviceState attribute has a value of deviceNotEquipped.		
Raising condition: ('Device State' EQUAL 'Not Equipped')		
Clearing condition: ('Device State' NOT EQUAL 'Not Equipped')		
Remedial action: Informational - a fan tray has been removed from the NE.		

Table 8-73 ForwardingTableSizeLimitReached

Alarm	Attributes	Applicable major NE releases
Name: ForwardingTableSizeLimitReached (164) Type: resourceAlarm (28) Package: I2fwd Raised on class: I2fwd.SiteFib	Severity: major Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the number of MAC address entries in the FIB reaches or exceeds the VPLS site high watermark specified by I2fwd.SiteFib.highWatermark. The alarm clears when the number of MAC address entries in the FIB drops below the VPLS site low watermark specified by I2fwd.SiteFib.lowWatermark. The alarm can be raised against a VPLS site, L2 access interface, or spoke SDP binding.		
Raising condition: (('Entries' >= 'Size') OR ('Entries' >= (('High Watermark' * 'Size') / 100.0)))		
Clearing condition: (('Entries' < 'Size') AND (('High Watermark' EQUAL '0L') OR ('Entries' < (('Low Watermark' * 'Size') / 100.0))) AND (('Low Watermark' EQUAL '0L') OR ('Entries' < (('Low Watermark' * 'Size') / 100.0)))		
Remedial action: Informational		

Table 8-74 FrameSizeProblem (netw)

Alarm	Attributes	Applicable major NE releases
Name: FrameSizeProblem (37) Type: configurationAlarm (11) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: frameSizeProblem (33)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when a provisioned MTU size value is greater than the supported MTU size value.		
Raising condition: (('mtuMismatch' EQUAL 'true') AND ('portId' NOT EQUAL '0L'))		
Clearing condition: (('mtuMismatch' EQUAL 'false') OR ('portId' EQUAL '0L'))		

(1 of 2)

8 — Alcatel-Lucent 7210 SAS R alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: A configuration error has been made which must be corrected. The MTU value must be changed such that is less than or equal to the supported MTU size value.		

(2 of 2)

Table 8-75 FrameSizeProblem (svt)

Alarm	Attributes	Applicable major NE releases
Name: FrameSizeProblem (37) Type: configurationAlarm (11) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: frameSizeProblem (33)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when a provisioned MTU size value is greater than the supported MTU size value.		
Raising condition: (('Operational State' EQUAL 'MTU Mismatch') OR ('Operational State' EQUAL 'Tunnel MTU Too Small'))		
Clearing condition: (('Operational State' NOT EQUAL 'MTU Mismatch') AND ('Operational State' NOT EQUAL 'Tunnel MTU Too Small'))		
Remedial action: The MTU value must be changed such that is is less than or equal to the supported MTU size value.		

Table 8-76 GaPeerDown

Alarm	Attributes	Applicable major NE releases
Name: GaPeerDown (3303) Type: EpcAlarm (59) Package: Iteggnsn Raised on class: Iteggnsn.GaPeer	Severity: major Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the path management state of a Ga peer changes to a state other than Up.		
Raising condition: ('Path Management State' NOT EQUAL 'Active')		
Clearing condition: ('Path Management State' EQUAL 'Active')		
Remedial action: A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

Table 8-77 IncompleteConfig (multichassis)

Alarm	Attributes	Applicable major NE releases
Name: IncompleteConfig (294) Type: configurationAlarm (11) Package: multichassis Raised on classes: <ul style="list-style-type: none"> multichassis.MultiChassisSync multichassis.MultiChassisLagMember 	Severity: major Implicitly cleared: true Default probable cause: incompleteConfig (225)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when a peer configuration cannot be found on the peer NE.		
Raising condition: ('mLagPointer' EQUAL '\')		
Clearing condition: ('mLagPointer' NOT EQUAL '\')		
Remedial action: Configure the missing peered object.		

Table 8-78 IncompleteConfiguration

Alarm	Attributes	Applicable major NE releases
Name: IncompleteConfiguration (1942) Type: operationalViolation (93) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: incompleteConfig (225)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when a pre-provisioned NE has no objects configured beneath it.		
Raising condition: (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' EQUAL '\'))		
Clearing condition: (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' NOT EQUAL '\'))		
Remedial action: A configuration error has been made which must be corrected. The configuration of the pre-provisioned NE is incomplete. A work order was not associated with the pre-provisioned NE and as a consequence the attempt to auto-configure the NE failed.		

Table 8-79 IncorrectPeerConfig

Alarm	Attributes	Applicable major NE releases
Name: IncorrectPeerConfig (779) Type: configurationAlarm (11) Package: multichassis Raised on class: multichassis.AbstractPeer	Severity: major Implicitly cleared: true Default probable cause: IncorrectPeerConfig (554)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when an MC peer does not exist, or when an MC peer exists but the peer address is not the address of a network interface on the peer.		
Raising condition: ('peerMatchFound' EQUAL 'false')		
Clearing condition: ('peerMatchFound' EQUAL 'true')		

(1 of 2)

8 — Alcatel-Lucent 7210 SAS R alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: The peer configuration cannot be found on the peer NE. Either delete this one, or create the missing peer object.		

(2 of 2)

Table 8-80 IncorrectPeerSynchronizationPortConfig

Alarm	Attributes	Applicable major NE releases
Name: IncorrectPeerSynchronizationPortConfig (780) Type: configurationAlarm (11) Package: multichassis Raised on class: multichassis.PeerSynchronizationPort	Severity: major Implicitly cleared: true Default probable cause: IncorrectPeerSynchronizationPortConfig (555)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the peer port does not exist, or when the peer port exists but the synchronization tags of the peers do not match.		
Raising condition: ('peerMatchFound' EQUAL 'false')		
Clearing condition: ('peerMatchFound' EQUAL 'true')		
Remedial action: Check if the peer port does not exist, or the peer port exists but the synchronization tags do not match.		

Table 8-81 IncorrectPeerSynchronizationPortEncapRangeConfig

Alarm	Attributes	Applicable major NE releases
Name: IncorrectPeerSynchronizationPortEncapRangeConfig (781) Type: configurationAlarm (11) Package: multichassis Raised on class: multichassis.PeerSynchronizationPortEncapRange	Severity: major Implicitly cleared: true Default probable cause: IncorrectPeerSynchronizationPortEncapRangeConfig (556)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the VLAN ranges on the Multi-Chassis synchronization peers do not match.		
Raising condition: ('Neighbor Match' EQUAL 'false')		
Clearing condition: ('Neighbor Match' EQUAL 'true')		
Remedial action: Update the VLAN ranges on the Multi-Chassis synchronization peers to make them matching.		

Table 8-82 InterfaceDown (netw)

Alarm	Attributes	Applicable major NE releases
Name: InterfaceDown (36) Type: InterfaceAlarm (13) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when an interface or underlying resource fails, as indicated by an interface compositeState attribute value of failed or underlyingResourceFailed.		
Raising condition: (('compositeState' EQUAL 'Inoperable') OR ('compositeState' EQUAL 'Underlying Resource Inoperable'))		
Clearing condition: (('compositeState' NOT EQUAL 'Inoperable') AND ('compositeState' NOT EQUAL 'Underlying Resource Inoperable'))		
Remedial action: A physical port (physical interface, LAG, channel) associated with the network interface in not operation. Ensure that the interface is cabled and that there isn't a configuration error (i.e. MTU size set incorrectly) on the interface. Once the issue w		

Table 8-83 IsisAdjacencyDown

Alarm	Attributes	Applicable major NE releases
Name: IsisAdjacencyDown (153) Type: adjacencyAlarm (31) Package: isis Raised on class: isis.Interface	Severity: minor Implicitly cleared: true Default probable cause: IsisInterfaceDown (232)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when an IS-IS interface has no adjacencies, for example, because the IS-IS protocol on the remote site is down.		
Raising condition: (('Adjacency Count' EQUAL '0L') AND ('interfaceClass' NOT EQUAL 'System') AND ('Passive' NOT EQUAL 'True'))		
Clearing condition: (('Adjacency Count' > '0L') OR ('Passive' EQUAL 'True'))		
Remedial action: Check remote site to see if corresponding IS-IS interface is configured and admin up.		

Table 8-84 IsisDown

Alarm	Attributes	Applicable major NE releases
Name: IsisDown (19) Type: ProtocolAlarm (1) Package: isis Raised on class: isis.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when an IS-IS site has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: The protocol is not working anymore, could be a problem with IP addresses, resources on the device, ...		

Table 8-85 IsisInterfaceDown

Alarm	Attributes	Applicable major NE releases
Name: IsisInterfaceDown (301) Type: ProtocolAlarm (1) Package: isis Raised on class: isis.Interface	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when an IS-IS interface has an Operational State other than Up.		
Raising condition: ('Operational State' EQUAL 'Down')		
Clearing condition: ('Operational State' NOT EQUAL 'Down')		
Remedial action: Check if underlying port is down, or associated network interface is down.		

Table 8-86 KeepAliveProblem

Alarm	Attributes	Applicable major NE releases
Name: KeepAliveProblem (100) Type: oamAlarm (18) Package: svt Raised on class: svt.Tunnel	Severity: warning Implicitly cleared: true Default probable cause: keepAliveFailed (86)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the 5620 SAM detects a keep-alive protocol status of senderIdInvalid or responderIdError.		
Raising condition: (('Keep-Alive State' NOT EQUAL 'Disabled') AND ('Keep-Alive State' NOT EQUAL 'Alive') AND ('Keep-Alive State' NOT EQUAL 'Unknown'))		
Clearing condition: (('Keep-Alive State' EQUAL 'Disabled') OR ('Keep-Alive State' EQUAL 'Alive') OR ('Keep-Alive State' EQUAL 'Unknown'))		
Remedial action: Check the configuration of this tunnel and underlying physical transport.		

Table 8-87 LabelProblem

Alarm	Attributes	Applicable major NE releases
Name: LabelProblem (98) Type: CircuitAlarm (17) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: labelProblem (84)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when an ingress or an egress label is missing.		
Raising condition: (('Operational State' EQUAL 'No Egress Label') OR ('Operational State' EQUAL 'No Ingress Label') OR ('Operational State' EQUAL 'No Labels'))		
Clearing condition: (('Operational State' NOT EQUAL 'No Egress Label') AND ('Operational State' NOT EQUAL 'No Ingress Label') AND ('Operational State' NOT EQUAL 'No Labels'))		
Remedial action: An ingress or egress label is missing for the SDP binding.		

Table 8-88 LagDown

Alarm	Attributes	Applicable major NE releases
Name: LagDown (20) Type: equipmentAlarm (3) Package: lag Raised on class: lag.Interface	Severity: critical Implicitly cleared: true Default probable cause: lagDown (17)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when all ports in a LAG are operationally down.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
Clearing condition: (('operationalState' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: This alarm indicates that all physical Ethernet links associated with a LAG are operationally down. The reasons for the links to be down may vary from link to link. The following possible causes of this alarm should be investigated. The physical port (near end or far end) may have failed - this can be remedied by replacing the interface card in question. The physical links may have been turned down administratively - re-enable the links. A cable failure or disconnect may have occurred - please ensure that the cables are properly connected to the physical port and that the cable has not been damaged.		

Table 8-89 LagPortAddFailed

Alarm	Attributes	Applicable major NE releases
Name: LagPortAddFailed (422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: warning Implicitly cleared: true Default probable cause: linkDown (315)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the Lag Port Add function Fails.		
Raising condition: (('state' EQUAL 'Link Down') AND ('LAG ID' > '0'))		
Clearing condition: (('state' NOT EQUAL 'Link Down') OR ('LAG ID' EQUAL '0'))		
Remedial action: A configuration error has occurred which must be corrected. The link that was to be added to the LAG group may be of the wrong type (i.e. non ethernet) or the limit of the number of links supported in a LAG may have been reached.		

Table 8-90 LdpDown

Alarm	Attributes	Applicable major NE releases
Name: LdpDown (22) Type: ProtocolAlarm (1) Package: ldp Raised on class: ldp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when an LDP site has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: Check operational state down reason and update accordingly.		

Table 8-91 LdpSessionNonexistent

Alarm	Attributes	Applicable major NE releases
Name: LdpSessionNonexistent (2954) Type: LdpSessionAlarm (101) Package: ldp Raised on class: ldp.Session	Severity: critical Implicitly cleared: true Default probable cause: LdpSessionDown (1149)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when an LDP session is non-existent.		
Raising condition: ('Session State' EQUAL 'Non-existent')		
Clearing condition: ('Session State' EQUAL 'Operational')		
Remedial action: Please check the LDP session path to make sure all associated protocols/interfaces/connections are OK.		

Table 8-92 LdpTargetedPeerDown

Alarm	Attributes	Applicable major NE releases
Name: LdpTargetedPeerDown (23) Type: ProtocolAlarm (1) Package: ldp Raised on class: ldp.TargetedPeer	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when an LDP targeted peer is operationally down.		
Raising condition: (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
Clearing condition: (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
Remedial action: Please check the route to LDP targeted peer to make sure all associated protocols/interfaces/connections are OK.		

Table 8-93 LicensedLimitExceeded

Alarm	Attributes	Applicable major NE releases
Name: LicensedLimitExceeded (127) Type: licensingAlarm (23) Package: security Raised on class: security.ProductLicense	Severity: critical Implicitly cleared: true Default probable cause: licensedLimitExceeded (106)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the license items in the network exceeds 100 percent of the license capacity.		
Raising condition: ('Exceeded' EQUAL 'true')		
Clearing condition: ('Exceeded' NOT EQUAL 'true')		
Remedial action: Informational - The number of SAM licenses purchased and available on the SAM server is insufficient as compared to the number of NEs/MDA/Cells under management in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

Table 8-94 LinkDown

Alarm	Attributes	Applicable major NE releases
Name: LinkDown (12) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: portLinkProblem (10)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when a port has no associated physical link or remote end point is operationally down.		
Raising condition: (('compositeEquipmentState' EQUAL 'Link Down') OR ('compositeEquipmentState' EQUAL 'Oper Down'))		
Clearing condition: (('compositeEquipmentState' NOT EQUAL 'Link Down') AND ('compositeEquipmentState' NOT EQUAL 'Oper Down'))		
Remedial action: Please make sure that port has physical link and remote end point is operationally up.		

Table 8-95 LowTemperatureDetected

Alarm	Attributes	Applicable major NE releases
Name: LowTemperatureDetected (1127) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOvercooled (838)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the chassis temperature falls below the minimum threshold.		
Raising condition: ('Low Temperature State' EQUAL 'Low')		
Clearing condition: ('Low Temperature State' NOT EQUAL 'Low')		
Remedial action: The NE has detected internal temperatures which are abnormally low. This may happen when the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 8-96 LspDown

Alarm	Attributes	Applicable major NE releases
Name: LspDown (25) Type: pathAlarm (12) Package: mpls Raised on class: mpls.Lsp	Severity: critical Implicitly cleared: true Default probable cause: lspDown (19)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the Operational State of an LSP is Down, but the Administrative State is Up.		
Raising condition: (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
Clearing condition: (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
Remedial action: So many things can cause LSP down, check if source and destination interfaces are down, LSP path is down and the failure code, or MPLS path is down...		

Table 8-97 LspPathBypassTunnelActive

Alarm	Attributes	Applicable major NE releases
Name: LspPathBypassTunnelActive (264) Type: pathAlarm (12) Package: mpls Raised on class: mpls.LspPath	Severity: warning Implicitly cleared: true Default probable cause: LspPathReroutedToBypassTunnel (197)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when an LSP primary path is rerouted to the bypass tunnel. The alarm clears when the primary path returns to the original tunnel and the actual hop returns to the primary path.		
Raising condition: ('Bypass Tunnel Active' EQUAL 'true')		
Clearing condition: ('Bypass Tunnel Active' EQUAL 'false')		
Remedial action: There is a problem with the original path, check what is the problem and fix it if possible.		

Table 8-98 LspPathDown

Alarm	Attributes	Applicable major NE releases
Name: LspPathDown (26) Type: pathAlarm (12) Package: mpls Raised on class: mpls.LspPath	Severity: major Implicitly cleared: true Default probable cause: LspPathDown (20)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when an LSP path is operationally down.		
Raising condition: (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up') AND ('Type' EQUAL 'Standby'))		
Clearing condition: (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up') OR ('Type' EQUAL 'Secondary'))		
Remedial action: Check the failure code and update accordingly, e.g. whether MPLS/RSVP interfaces, OSPF interfaces are down.		

Table 8-99 LSRPATHDown

Alarm	Attributes	Applicable major NE releases
Name: LSRPATHDown (4898) Type: pathAlarm (12) Package: mplstp Raised on class: mplstp.TPLSRPath	Severity: critical Implicitly cleared: true Default probable cause: LSRPATHDown (1955)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the TP LSR Path Administrative State is Up and the Operational State is Down. The alarm clears when the TP LSR Path Operational State changes to Up or the Administrative State changes to Down.		
Raising condition: (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up'))		
Clearing condition: (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up'))		
Remedial action: The Operational state of the TP LSR Path is down, despite the Administrative state being up. Review the configuration and make sure that the Administrative state is up, the forward and reverse labels are set and the Out-Link interface is operationally up.		

Table 8-100 macMoveRateExceeded (service)

Alarm	Attributes	Applicable major NE releases
Name: macMoveRateExceeded (3690) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: minor Implicitly cleared: true Default probable cause: MacMoveRateExceeded (1429)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site.		
Raising condition: ('State Cause'anyBit'Relearn Limit Exceeded')		
Clearing condition: NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		
Remedial action: Informational.		

Table 8-101 macMoveRateExceeded (svt)

Alarm	Attributes	Applicable major NE releases
Name: macMoveRateExceeded (3690) Type: SpokeSdpBindingAlarm (104) Package: svt Raised on class: svt.SpokeSdpBinding	Severity: minor Implicitly cleared: true Default probable cause: MacMoveRateExceeded (1429)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the SDP exceeds the Service Site's MAC Move Frequency.		
Raising condition: ('operationalFlags'anyBit'Relearn Limit Exceeded')		
Clearing condition: NOT (('operationalFlags'anyBit'Relearn Limit Exceeded'))		
Remedial action: Check Service Site MAC move frequency or underlying physical link to understand issue.		

Table 8-102 macMoveRateExceededNonBlock (service)

Alarm	Attributes	Applicable major NE releases
Name: macMoveRateExceededNonBlock (4893) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: info Implicitly cleared: true Default probable cause: MacMoveRateExceededNonBlock (1951)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site when limitMacMove(sapTIsLimitMacMove) is set to 'nonBlocking'.		
Raising condition: ('State Cause'anyBit'Relearn Limit Exceeded')		
Clearing condition: NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		
Remedial action: Informational - User can adjust the value of 'MAC Move Maximum Rate' to reduce the frequency of this alarm.		

Table 8-103 macMoveRateExceededNonBlock (svt)

Alarm	Attributes	Applicable major NE releases
Name: macMoveRateExceededNonBlock (4893) Type: SpokeSdpBindingAlarm (104) Package: svt Raised on class: svt.SpokeSdpBinding	Severity: info Implicitly cleared: true Default probable cause: MacMoveRateExceededNonBlock (1951)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the SDP exceeds the Service Site's MAC Move Frequency even when limitMacMove(sdpBindTisLimitMacMove) is set to 'nonBlocking'.		
Raising condition: ('operationalFlags'anyBit'Relearn Limit Exceeded')		
Clearing condition: NOT (('operationalFlags'anyBit'Relearn Limit Exceeded'))		
Remedial action: Informational - User can adjust the value of 'MAC Move Maximum Rate' to reduce the frequency of this alarm.		

Table 8-104 MCLagDown (lag)

Alarm	Attributes	Applicable major NE releases
Name: MCLagDown (394) Type: equipmentAlarm (3) Package: lag Raised on class: lag.MultiChassisLagSpecifics	Severity: critical Implicitly cleared: true Default probable cause: mCLagDown (295)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when all ports in an MC LAG are operationally down.		
Raising condition: (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
Clearing condition: (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
Remedial action: This alarm indicates that all physical Ethernet links associated with a LAG are operationally down. The reasons for the links to be down may vary from link to link. The following possible causes of this alarm should be investigated. The physical port (near end or far end may have failed - this can be remedied by replacing the interface card in question. The physical links may have been turned down administratively - re-enable the links. A cable failure or disconnect may have occurred - please ensure that the cables are properly connected to the physical port and and that the cable has not been damaged.		

Table 8-105 MCLagDown (multichassis)

Alarm	Attributes	Applicable major NE releases
Name: MCLagDown (394) Type: equipmentAlarm (3) Package: multichassis Raised on class: multichassis.MultiChassisLagPeerSpecifics	Severity: critical Implicitly cleared: true Default probable cause: mCLagDown (295)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when all ports in an MC LAG are operationally Down.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		

(1 of 2)

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

(2 of 2)

Table 8-106 MepAISReceivedAlarm

Alarm	Attributes	Applicable major NE releases
Name: MepAISReceivedAlarm (2945) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: variable Implicitly cleared: true Default probable cause: missingRemoteMep (388)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when a MEP receives AIS test frames from one or more of its sub-layer MEPs.		
Raising condition: (('AIS Received (AisRx)' EQUAL 'true') AND ('Facility VLAN ID' EQUAL '0'))		
Clearing condition: ('AIS Received (AisRx)' EQUAL 'false')		
Remedial action: This alarm indicates that it has received a MEP fault from a sub-layer MEP, user should investigate the fault cause on the sub-layer MEP and resolve this root cause issue.		

Table 8-107 MobileConnectorDown

Alarm	Attributes	Applicable major NE releases
Name: MobileConnectorDown (1064) Type: EpcAlarm (59) Package: Iteservice Raised on class: Iteservice.MobileServiceConnector	Severity: minor Implicitly cleared: true Default probable cause: EpcDown (519)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the 5620 SAM no longer manages the EPS path instance of this mobile service site. As a result, the service must be regenerated.		
Raising condition: ('EPS Path' EQUAL '\")		
Clearing condition: ('EPS Path' NOT EQUAL '\")		
Remedial action: The underlying transport network has gone down resulting in the deletion of a mobile service connector (EPS path). Correct the issue with the transport network and regenerate the mobile service connector by clicking on the re-calculate button on the mobile service properties form.		

Table 8-108 MplsDown

Alarm	Attributes	Applicable major NE releases
Name: MplsDown (27) Type: ProtocolAlarm (1) Package: mpls Raised on class: mpls.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when an MPLS site has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: Check operational down reason and update accordingly.		

Table 8-109 MplsPathUpdateFailed

Alarm	Attributes	Applicable major NE releases
Name: MplsPathUpdateFailed (1066) Type: pathAlarm (12) Package: mpls Raised on class: mpls.LspPath	Severity: major Implicitly cleared: true Default probable cause: mbbRetryExceeded (804) Applicable probable causes: <ul style="list-style-type: none"> mbbRetryExceeded lspPathGoingDown startingHighPriMbb restartingMbb highPriMbbInProg 	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when an MPLS path update fails because of an MBB problem. The alarm clears when the MBB status changes to Successful.		
Raising condition: (('mbbStatus' NOT EQUAL 'None') AND ('mbbStatus' NOT EQUAL 'Successful'))		
Clearing condition: (('Last Performed State' EQUAL 'Success') OR ('Administrative' EQUAL 'Down') OR (('Operational' EQUAL 'Up') AND ('Last Performed State' EQUAL 'None')))		
Remedial action: Based on the probable cause, change the parameters and update the path again.		

Table 8-110 MvrSiteDown

Alarm	Attributes	Applicable major NE releases
Name: MvrSiteDown (162) Type: ProtocolAlarm (1) Package: layer2 Raised on class: layer2.MvrSite	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when MVR is disabled on an NE and a TLS VLAN or MVR VLAN service is provisioned on the NE.		
Raising condition: ('MVR Admin Status' EQUAL 'Disabled')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: ('MVR Admin Status' EQUAL 'Enabled')		
Remedial action: To clear the alarm, enable MVR Admin Status under the Bridge Instance.		

(2 of 2)

Table 8-111 NeighborDown

Alarm	Attributes	Applicable major NE releases
Name: NeighborDown (121) Type: NeighborDown (20) Package: ospf Raised on class: ospf.AbstractNeighbor	Severity: major Implicitly cleared: true Default probable cause: NeighborDown (103)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when an OSPF interface neighbor is operationally Down.		
Raising condition: ('Operational State' NOT EQUAL 'full')		
Clearing condition: ('Operational State' EQUAL 'full')		
Remedial action: This alarm is raised when the OSPF interface neighbor is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 8-112 NeManagementAndTrapManagementMismatch

Alarm	Attributes	Applicable major NE releases
Name: NeManagementAndTrapManagementMismatch (1079) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: neManagementChange (817)	<ul style="list-style-type: none"> 6.0.0
Description: This user-defined alarm is raised when the NE configuration is one of the following: - The Active Management IP is set to Out Of Band, and the Primary Route Preference is set to In Band. - The Active Management IP is set to In Band, and the Primary Route Preference is set to Out of Band.		
Raising condition: (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only')) AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only')) AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'Out Of Band'))))		
Clearing condition: (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only')) AND ('Primary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only')) AND ('Primary Route Preference' EQUAL 'Out Of Band'))))		
Remedial action: A configuration error has been made which must be corrected. The parameters described in the description for this alarm must match.		

Table 8-113 NewSsh2ServerKeyDetected

Alarm	Attributes	Applicable major NE releases
Name: NewSsh2ServerKeyDetected (285) Type: communicationsAlarm (4) Package: security Raised on class: security.KnownHostKey	Severity: warning Implicitly cleared: true Default probable cause: ssh2ServerKeyMismatch (217)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when a 5620 SAM main server detects a new public SSH key.		
Raising condition: ('SSH2 Server Key Status' EQUAL 'Mismatch SSH2 Host Key')		
Clearing condition: ('SSH2 Server Key Status' EQUAL 'Active SSH2 Host Key')		
Remedial action: Informational - possible security breach. The SSH key of the router is different from the one known to the SAM server.		

Table 8-114 NodeDatabaseFallbackDetected

Alarm	Attributes	Applicable major NE releases
Name: NodeDatabaseFallbackDetected (2923) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseFallback (1121)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when a configuration fallback is detected on the node and comes back up with a previous configuration. To correct this situation it might be necessary to reconfigure the node, or perform full resync its database with the 'fallback' configuration returned by the node.		
Raising condition: ('State' EQUAL 'Node Configuration Fallback')		
Clearing condition: ('State' EQUAL 'Managed')		
Remedial action: the NE has come back to a previous configuration. Perform a manual Full Resync or a Reconfigure of the NE		

Table 8-115 NodeDatabaseMisalignmentDetected

Alarm	Attributes	Applicable major NE releases
Name: NodeDatabaseMisalignmentDetected (2924) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseMisalignment (1122)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when a configuration misalignment has been detected on the node and comes back up with an unexpected configuration (configuration change triggered by external tool) To correct this situation it might be necessary to reconfigure the node with the 5620 SAM's old configuration or accept the new configuration received from the node.		
Raising condition: ('State' EQUAL 'Node Configuration Misalignment')		
Clearing condition: ('State' EQUAL 'Managed')		
Remedial action: the NE configuration is misaligned. Perform a resync in order to update SAM configuration according to the NE.		

Table 8-116 NodeSuspended

Alarm	Attributes	Applicable major NE releases
Name: NodeSuspended (5123) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: NodeSuspend (2057)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the 5620 SAM detects an NE moved to suspend state as per user request.		
Raising condition: ('SNMP Reachability' EQUAL 'Suspended')		
Clearing condition: ('SNMP Reachability' NOT EQUAL 'Suspended')		
Remedial action: This alarm is raised when user suspends the network element. The alarm will be cleared when the network element is managed back.		

Table 8-117 NTPOperDown

Alarm	Attributes	Applicable major NE releases
Name: NTPOperDown (4879) Type: communicationsAlarm (4) Package: ntp Raised on class: ntp.NTP	Severity: info Implicitly cleared: true Default probable cause: NTPOperDown (1943)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is generated when the NTP Operational State is down for NTP.		
Raising condition: (('Operational State' EQUAL 'Down') AND ('NTP State' EQUAL 'Enabled'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('NTP State' EQUAL 'Disabled'))		
Remedial action: Please check if NTP is administratively enabled (Admin State in NTP General Tab). If admin state down, enable it to make NTP operationally up.		

Table 8-118 OrphanNodeDetected

Alarm	Attributes	Applicable major NE releases
Name: OrphanNodeDetected (4866) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.AdvertisedNode	Severity: major Implicitly cleared: true Default probable cause: nodeNotManagedByAnyEms (1934)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when node is not managed by any EMS after n retries (threshold crossed) it is manually cleared by the operator or when the node is discovered.		
Raising condition: ('state' EQUAL 'orphan')		
Remedial action: The NE is not managed by any SAM. Add an discovery rule in order to manage it.		

Table 8-119 OspfInterfaceDown

Alarm	Attributes	Applicable major NE releases
Name: OspfInterfaceDown (141) Type: OspfInterfaceDown (24) Package: ospf Raised on class: ospf.Interface	Severity: warning Implicitly cleared: true Default probable cause: OspfInterfaceDown (112)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when an OSPF interface is operationally down.		
Raising condition: ('operationalState' EQUAL 'Down')		
Clearing condition: ('operationalState' NOT EQUAL 'Down')		
Remedial action: This alarm is raised when the OSPF interface is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 8-120 OverTemperatureDetected

Alarm	Attributes	Applicable major NE releases
Name: OverTemperatureDetected (388) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the chassis temperature exceeds the maximum threshold value.		
Raising condition: ('Over Temperature State' EQUAL 'Over')		
Clearing condition: ('Over Temperature State' NOT EQUAL 'Over')		
Remedial action: The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 8-121 PartialResyncProblem

Alarm	Attributes	Applicable major NE releases
Name: PartialResyncProblem (4401) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: partialResyncProblem (1578)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when an Partial Resync on an NE fails. For example, when resyncing only some MIB entries as opposed to a full resync. The periodic reachability test (sysUpTime) is not considered a partial resync, neither is a full resync. However, a PartialResyncProblem alarm can only be reset by a FullResync.		
Raising condition: ('partialResyncStatus' EQUAL 'Partial Resync Failed')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: ('partialResyncStatus' EQUAL 'Partial Resync Done')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE.		

(2 of 2)

Table 8-122 PeerConnectionDown (bgp)

Alarm	Attributes	Applicable major NE releases
Name: PeerConnectionDown (2) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.Peer	Severity: critical Implicitly cleared: true Default probable cause: connectionDown (2)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when a BGP peer has a Connection State other than Established, and the Administrative State of the BGP peer is Up.		
Raising condition: (('Connection State' NOT EQUAL 'Established') AND ('Administrative State' EQUAL 'Up'))		
Clearing condition: (('Connection State' EQUAL 'Established') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: A mismatch in configuration may have occurred. Check the configuration of both peers to rule out a mismatched configuration.		

Table 8-123 PeerDown (bgp)

Alarm	Attributes	Applicable major NE releases
Name: PeerDown (1) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.Peer	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when a BGP peer has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: The BGP peer entity is down - administratively disable the BGP peer and re-enable it. If toggling the administrative state does not solve the problem check that the physical interface and network connection to the far end peer are up and operational. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 8-124 PeerGroupDown (bgp)

Alarm	Attributes	Applicable major NE releases
Name: PeerGroupDown (5) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.PeerGroup	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when a BGP peer group has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: The BGP peer group is down - administratively disable the BGP peer group and re-enable it. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 8-125 PeerLacIngressEgressFault

Alarm	Attributes	Applicable major NE releases
Name: PeerLacIngressEgressFault (2929) Type: PeerLacAlarm (98) Package: svt Raised on class: svt.SpokeSdpBinding	Severity: minor Implicitly cleared: true Default probable cause: peerPWStatusBitsChanged (1123)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the Peer Status is Peer LAC Rx Fault and Peer LAC Tx Fault		
Raising condition: (('Peer State Cause'anyBit'Peer LAC Tx Fault') AND ('Peer State Cause'anyBit'Peer LAC Rx Fault'))		
Clearing condition: NOT (((('Peer State Cause'anyBit'Peer LAC Tx Fault') AND ('Peer State Cause'anyBit'Peer LAC Rx Fault'))))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 8-126 PersistentIndexParametersMisconfigured

Alarm	Attributes	Applicable major NE releases
Name: PersistentIndexParametersMisconfigured (173) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: persistentIndexConfigurationMismatch (136)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when persistence is set to Off in the NE BOF.		
Raising condition: (('Persistent SNMP Indices' EQUAL 'False') OR (('hasRedundantProcessorCards' EQUAL 'true') AND ('Redundant Synchronization Mode' EQUAL 'None')))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: (('Persistent SNMP Indices' EQUAL 'True') AND (('hasRedundantProcessorCards' EQUAL 'false') OR ('Redundant Synchronization Mode' NOT EQUAL 'None')))		
Remedial action: A configuration error has occurred that must be corrected. Use the CLI on the NE to enable persistency in the BOF. The discovery process will complete on the next discovery scan. A re-scan can be triggered immediately for the NE from within the discovery manager		

(2 of 2)

Table 8-127 PollerProblem

Alarm	Attributes	Applicable major NE releases
Name: PollerProblem (31) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: resyncFailed (24)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
Raising condition: ('Resync Status' EQUAL 'Full Resync Failed')		
Clearing condition: ('Resync Status' EQUAL 'Full Resync Done')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 8-128 PowerSupplyFailure

Alarm	Attributes	Applicable major NE releases
Name: PowerSupplyFailure (633) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: critical Implicitly cleared: true Default probable cause: powerSupplyFailure (117)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when a power-supply tray reports a failure. When the alarm is raised during device discovery, a power-supply tray may be out of service. When the alarm is raised while the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
Raising condition: (('Power Supply 1 Status' EQUAL 'Not Equipped') OR ('Power Supply 1 Status' EQUAL 'Failed'))		
Clearing condition: (('Power Supply 1 Status' EQUAL 'OK'))		
Remedial action: Ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 8-129 PowerSupplyInputFeedDown

Alarm	Attributes	Applicable major NE releases
Name: PowerSupplyInputFeedDown (5422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: minor Implicitly cleared: true Default probable cause: powerSupplyInputFeedDown (2073)	<ul style="list-style-type: none"> 6.0.0
Description: This alarm is generated if any one of the input feeds for a given power supply is not supplying power.		
Raising condition: (('Input Feed Status' EQUAL 'Input A Down') OR ('Input Feed Status' EQUAL 'Input B Down') OR (('Input Feed Status'allBits'Input A Down') AND ('Input Feed Status'allBits'Input B Down'))		
Clearing condition: ('Input Feed Status' EQUAL 'None')		
Remedial action: Restore all of the input feeds that are not supplying power.		

Table 8-130 PowerSupplyRemoved

Alarm	Attributes	Applicable major NE releases
Name: PowerSupplyRemoved (542) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: major Implicitly cleared: true Default probable cause: PowerSupplyRemoved (415)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when a chassis power supply is removed.		
Raising condition: ('Power Supply 1 Status' EQUAL 'Not Equipped')		
Clearing condition: ('Power Supply 1 Status' NOT EQUAL 'Not Equipped')		
Remedial action: To recover from this event, the customer is requested to add a new power supply to the system, or change a faulty power supply with a working one.		

Table 8-131 PrimaryImageBootFailure

Alarm	Attributes	Applicable major NE releases
Name: PrimaryImageBootFailure (191) Type: configurationAlarm (11) Package: sw Raised on class: sw.CardSoftware	Severity: warning Implicitly cleared: true Default probable cause: bootOptionFileMisconfigured (150)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the primary software image specified in an NE BOF is unusable.		
Raising condition: (('imageSource' NOT EQUAL 'Primary') AND ('imageSource' NOT EQUAL 'Unknown'))		
Clearing condition: (('imageSource' EQUAL 'Primary') OR ('imageSource' EQUAL 'Unknown'))		
Remedial action: The SW image on the NE may have been inadvertently corrupted. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

Table 8-132 PrimaryPathLimitReached

Alarm	Attributes	Applicable major NE releases
Name: PrimaryPathLimitReached (457) Type: resourceAlarm (28) Package: equipment Raised on class: equipment.DaughterCard	Severity: warning Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the Ingress Multicast Path Management primary path bandwidth limit is reached.		
Raising condition: (('Primary Path Limit Override' > '0') AND ('Primary Path In use' >= (1000 * 'Primary Path Limit Override'))"		
Clearing condition: (('Primary Path Limit Override' > '0') AND ('Primary Path In use' < (1000 * 'Primary Path Limit Override'))"		
Remedial action: Informational - The alarm is raised when the Ingress Multicast Path Management primary path bandwidth limit is reached. This can be remedied by modifying the primary path limit located at T1 Paths tab of the multicast bandwidth policy which assigned to the card, or increase the primary path limit override located at the Daughter Card tab under Daughter Card Slot form.		

Table 8-133 PTPNotQualified

Alarm	Attributes	Applicable major NE releases
Name: PTPNotQualified (3611) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPNotQualified (1400)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when PTP on an NE is not in the Qualified state.		
Raising condition: (('Qualified For Use' EQUAL 'Not Qualified'))		
Clearing condition: (('Qualified For Use' NOT EQUAL 'Not Qualified'))		
Remedial action: Check the communication path is up between the local PTP slave clock and its selected master		

Table 8-134 PTPReferenceLossOfSignal

Alarm	Attributes	Applicable major NE releases
Name: PTPReferenceLossOfSignal (3613) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPReferenceLossOfSignal (1402)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the PTP reference on an NE is not qualified due to Loss of Signal.		
Raising condition: (('Not Qualified Due To anyBit'LOS'))		
Clearing condition: NOT (('Not Qualified Due To anyBit'LOS'))		
Remedial action: Check the communication path is up between the local PTP slave clock and its selected master		

Table 8-135 PTPReferenceOutOfFrequency

Alarm	Attributes	Applicable major NE releases
Name: PTPReferenceOutOfFrequency (3614) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPReferenceOutOfFrequency (1403)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the PTP Reference on an NE is not qualified due to Out of frequency.		
Raising condition: (('Not Qualified Due To'anyBit'OOF'))		
Clearing condition: NOT (('Not Qualified Due To'anyBit'OOF'))		
Remedial action: Make sure that fequency configured for Reference One is correct.		

Table 8-136 PTPReferenceOutOfPollInRange

Alarm	Attributes	Applicable major NE releases
Name: PTPReferenceOutOfPollInRange (3615) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPReferenceOutOfPollInRange (1404)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the PTP Reference on an NE is not qualified state due to Out of poll in range.		
Raising condition: (('Not Qualified Due To'anyBit'OOPIR'))		
Clearing condition: NOT (('Not Qualified Due To'anyBit'OOPIR'))		
Remedial action: If there is packet flow, the PTP slave clock is in it's initial acquiring states where the sync-if-timing reference does not qualify just wait.		

Table 8-137 RadiusOperStatusDown

Alarm	Attributes	Applicable major NE releases
Name: RadiusOperStatusDown (3692) Type: radiusOperStatusDownAlarm (105) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: radiusOperationStatusDown (1431)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when all RADIUS servers have gone down.		
Raising condition: ('Global RADIUS Operational State' EQUAL 'Down')		
Clearing condition: ('Global RADIUS Operational State' EQUAL 'Up')		
Remedial action: Verify the RADIUS server is properly configured and radius server state is up.Check the connectivity between SAM server and radius server configured on the Network element.		

Table 8-138 ReachabilityProblem

Alarm	Attributes	Applicable major NE releases
Name: ReachabilityProblem (243) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ReachabilityTestFailed (176)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when an Mediation poll of the SysUpTimeAlarm object on an NE fails, for example, because of network congestion or because the NE is too busy to respond. The probable cause is an unreachable NE Mediation agent on the NE. By default, the 5620 SAM polls a managed NE every two minutes. If a poll fails, the alarm is raised. The 5620 SAM polls the NE two minutes after the first failure. If successive polls fail, the 5620 SAM raises the polling interval for the NE by two minutes after each failure to a maximum of 12 min. The polling interval remains at 12 min until the 5620 SAM receives a response from the NE. The alarm clears when the 5620 SAM receives a response from the NE, and the 5620 SAM GUI icon that represents the NE turns from red to green.		
Raising condition: ('SNMP Reachability' EQUAL 'Down')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 8-139 ReconfigFailure

Alarm	Attributes	Applicable major NE releases
Name: ReconfigFailure (1949) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: failedReconfig (937)	<ul style="list-style-type: none"> 6.0.0
Description: This alarm is raised when the reconfig action failed.		
Raising condition: ('State' EQUAL 'Failed')		
Clearing condition: ('State' NOT EQUAL 'Failed')		
Remedial action: Verify that the object is configured as expected.		

Table 8-140 RedundantMepMisconfiguration

Alarm	Attributes	Applicable major NE releases
Name: RedundantMepMisconfiguration (3631) Type: oamAlarm (18) Package: ethernetOam Raised on class: ethernetOam.Mep	Severity: minor Implicitly cleared: true Default probable cause: misconfiguredRedundantMep (1416)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when an Active and Redundant MEP do not have the same Id, Operational MAC Address or Sub Group configured.		
Raising condition: ('validRedundantMepConfig' EQUAL 'false')		

(1 of 2)

8 — Alcatel-Lucent 7210 SAS R alarms

Alarm	Attributes	Applicable major NE releases
Clearing condition: ('validRedundantMepConfig' EQUAL 'true')		
Remedial action: MC-LAG redundant MEP configuration (MEP ID or Mac Address) for Active & Standby Interfaces do not match, this could cause issues with CFM or CCM tests if Active interface changes. Delete and Re-create Standby MEP to match Active.		

(2 of 2)

Table 8-141 RedundantMepMissing

Alarm	Attributes	Applicable major NE releases
Name: RedundantMepMissing (3632) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: minor Implicitly cleared: true Default probable cause: missingRedundantMep (1417)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when a MEP misses a redundant counterpart on LAG or SAP.		
Raising condition: (('MC-LAG Inactive' NOT EQUAL 'Not Applicable') AND ('Redundant MEP' EQUAL '\'))		
Clearing condition: (('MC-LAG Inactive' EQUAL 'Not Applicable') OR (('MC-LAG Inactive' NOT EQUAL 'Not Applicable') AND ('Redundant MEP' NOT EQUAL '\')))		
Remedial action: MC-LAG redundant MEP is missing Active & Standby Interfaces, this will cause issues with CFM or CCM tests if Active interface changes. Create missing Active/Standby MEP to match existing.		

Table 8-142 RemoteMepCCMAAlarm

Alarm	Attributes	Applicable major NE releases
Name: RemoteMepCCMAAlarm (502) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: major Implicitly cleared: true Default probable cause: missingRemoteMep (388)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when a MEP loses connectivity with one or more remote MEPs. The Remote MEP DB State tab on a MEP lists the missing remote MEPs.		
Raising condition: ('High-Priority Defect' NOT EQUAL '0')		
Clearing condition: ('High-Priority Defect' EQUAL '0')		
Remedial action: MEP has lost communication with Remote MEP defined in Maintenance Association (MEG) Remote MEP list, Either Remote MEP list is incorrect or diagnose connection fault and resolve.		

Table 8-143 RouteDistinguisherNotConfigured

Alarm	Attributes	Applicable major NE releases
Name: RouteDistinguisherNotConfigured (142) Type: configurationAlarm (11) Package: l3fwd Raised on class: l3fwd.ServiceSite	Severity: major Implicitly cleared: true Default probable cause: routeDistinguisherNotConfigured (113)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when no RD is configured for an L3 service site.		
Raising condition: ('routeDistinguisher' EQUAL '\00 00 00 00 00 00 00\')		
Clearing condition: ('routeDistinguisher' NOT EQUAL '\00 00 00 00 00 00 00\')		
Remedial action: A configuration error has occurred which must be corrected. The RD must be configured on the L3 Service Site in question.		

Table 8-144 RsvpDown

Alarm	Attributes	Applicable major NE releases
Name: RsvpDown (74) Type: ProtocolAlarm (1) Package: rsvp Raised on class: rsvp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when an RSVP site has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: The RSVP Site is down while it is administratively up. Please check MPLS is enabled and administratively up.		

Table 8-145 SaveConfigFailed

Alarm	Attributes	Applicable major NE releases
Name: SaveConfigFailed (105) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileAccessError (90)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the admin save command on an NE fails.		
Raising condition: ('Config Save State' EQUAL 'Failure')		
Clearing condition: ('Config Save State' EQUAL 'Success')		
Remedial action: Attempt the admin save command a second time. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 8-146 ScheduledPollerProblem

Alarm	Attributes	Applicable major NE releases
Name: ScheduledPollerProblem (4386) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: scheduledResyncFailed (1569)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
Raising condition: ('Scheduled Resync Status' EQUAL 'Scheduled Resync Failed')		
Clearing condition: ('Scheduled Resync Status' EQUAL 'Scheduled Resync Done')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 8-147 SdpBindingDown

Alarm	Attributes	Applicable major NE releases
Name: SdpBindingDown (221) Type: SdpBindingAlarm (30) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: SdpBindingNotReady (166)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when an SDP binding has an Operational State other than Up.		
Raising condition: (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'Standby For BGP Multi-Homing'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'Standby For BGP Multi-Homing'))		
Remedial action: To resolve this alarm check the SDP binding to determine if a configuration mismatch exists. If configuration is determined to be correct then the associated network interface may be down. Further investigation is required to determine why the underlying network interface is down.		

Table 8-148 SdpBindingTunnelDown

Alarm	Attributes	Applicable major NE releases
Name: SdpBindingTunnelDown (222) Type: CircuitAlarm (17) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: SdpTunnelNotReady (167)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when an SDP binding tunnel has an Operational State other than Up.		
Raising condition: (('Operational State' EQUAL 'Tunnel Not Ready') OR ('Operational State' EQUAL 'Tunnel Down'))		
Clearing condition: (('Operational State' NOT EQUAL 'Tunnel Not Ready') AND ('Operational State' NOT EQUAL 'Tunnel Down'))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: To resolve this alarm check the endpoints of the SDP binding to determine if a configuration mismatch exists. If configuration matches then the underlying network resource between the endpoints of the SDP may be down. Further investigation is required to determine why the underlying transport network is down.		

(2 of 2)

Table 8-149 SdpEgressIfsNetDomainInConsistent

Alarm	Attributes	Applicable major NE releases
Name: SdpEgressIfsNetDomainInConsistent (3616) Type: resourceAlarm (28) Package: svt Raised on class: svt.Tunnel	Severity: warning Implicitly cleared: true Default probable cause: sdpEgressIfsNetDomainInConsistent (1405)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the SDP egress interface's consistency state changes to inconsistent.		
Raising condition: ('Egress Interfaces Consistency State' EQUAL '3')		
Clearing condition: ('Egress Interfaces Consistency State' EQUAL '2')		
Remedial action: To resolve this alarm check egress interfaces of the SDP configuration. If configuration is determined to be correct check underlying physical transport. Further investigation is required.		

Table 8-150 SecondaryPathLimitReached

Alarm	Attributes	Applicable major NE releases
Name: SecondaryPathLimitReached (458) Type: resourceAlarm (28) Package: equipment Raised on class: equipment.DaughterCard	Severity: warning Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the Ingress Multicast Path Management secondary path bandwidth limit is reached.		
Raising condition: (('Secondary Path Limit Override' > '0') AND ('Secondary Path In use' >= (1000 * 'Secondary Path Limit Override'))"		
Clearing condition: (('Secondary Path Limit Override' > '0') AND ('Secondary Path In use' < (1000 * 'Secondary Path Limit Override'))"		
Remedial action: Informational - The alarm is raised when the Ingress Multicast Path Management secondary path bandwidth limit is reached. This can be remedied by modifying the secondary path limit located at T1 Paths tab of the multicast bandwidth policy which assigned to the card, or increase the secondary path limit override located at the Daughter Card tab under Daughter Card Slot form.		

Table 8-151 ServiceSiteDown

Alarm	Attributes	Applicable major NE releases
Name: ServiceSiteDown (97) Type: serviceAlarm (16) Package: service Raised on class: service.Site	Severity: critical Implicitly cleared: true Default probable cause: siteDown (83)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when all SAPs on a site are operationally down, or when the service tunnels for the site are operationally down.		
Raising condition: (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'All Spoke SDP Bindings are Standby'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'All Spoke SDP Bindings are Standby'))		
Remedial action: The network resources (i.e. physical ports for SAPs, or physical ports/LSP) associated with the service site should be examined to determine if/why they are operationally down. The underlying transport network supporting the site may also be unreliable.		

Table 8-152 SessionDown

Alarm	Attributes	Applicable major NE releases
Name: SessionDown (73) Type: ProtocolAlarm (1) Package: rsvp Raised on class: rsvp.Session	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when an RSVP session is operationally down.		
Raising condition: ('Operational State' EQUAL 'Down')		
Clearing condition: ('Operational State' EQUAL 'Up')		
Remedial action: Please check the RSVP session path to make sure all associated protocols/interfaces/connections are OK.		

Table 8-153 SingleSFMOverloadDetected

Alarm	Attributes	Applicable major NE releases
Name: SingleSFMOverloadDetected (843) Type: ProtocolAlarm (1) Package: l3fwd Raised on class: l3fwd.Site	Severity: major Implicitly cleared: true Default probable cause: singleSfmOverloadDetected (601)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when a device reports a single-SFM overload. The alarm clears when the VR exits the Overload state.		
Raising condition: ('Overload State' EQUAL 'Overload')		
Clearing condition: ('Overload State' EQUAL 'Normal')		
Remedial action: Information - if the the problem persists please contact Alcatel-Lucent support for assistance.		

Table 8-154 StatsRetrieveFailed

Alarm	Attributes	Applicable major NE releases
Name: StatsRetrieveFailed (244) Type: configurationAlarm (11) Package: sw Raised on class: sw.AccountingStatsRetrievalManager	Severity: major Implicitly cleared: false Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the 5620 SAM main or auxiliary server cannot transfer an accounting file from an NE.		
Raising condition: (('Stats Retrieval State' NOT EQUAL 'Success') AND ('Stats Retrieval State' NOT EQUAL 'Not Attempted'))		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy or otherwise cannot respond to the 5620 SAM main or auxiliary server.		

Table 8-155 StpExceptionCondition

Alarm	Attributes	Applicable major NE releases
Name: StpExceptionCondition (297) Type: AccessInterfaceAlarm (32) Package: I2fwd Raised on class: I2fwd.AccessInterfaceStp	Severity: major Implicitly cleared: true Default probable cause: StpException (228)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when a SAP detects an STP exception condition, for example, one-way communication or a downstream loop. The alarm clears when the STP condition changes.		
Raising condition: (('STP Exception Condition' NOT EQUAL 'None') AND ('Administrative State' EQUAL 'Up'))		
Clearing condition: (('STP Exception Condition' EQUAL 'None') OR ('Administrative State' EQUAL 'Down'))		
Remedial action: Check 'STP Exception Condition' field for more details and fix the STP exception.		

Table 8-156 StpRootGuardViolation

Alarm	Attributes	Applicable major NE releases
Name: StpRootGuardViolation (503) Type: AccessInterfaceAlarm (32) Package: I2fwd Raised on class: I2fwd.AccessInterfaceStp	Severity: warning Implicitly cleared: true Default probable cause: spanningTreeTopologyChanged (331)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when a SAP detects an STP root guard violation.		
Raising condition: ('Root Guard Violation' EQUAL 'true')		
Clearing condition: ('Root Guard Violation' NOT EQUAL 'true')		
Remedial action: Set 'Root Guard' to false if not necessary.		

Table 8-157 SubscriberSystemNextHopUsageHigh

Alarm	Attributes	Applicable major NE releases
Name: SubscriberSystemNextHopUsageHigh (5157) Type: thresholdCrossed (6) Package: netw Raised on class: netw.NetworkElement	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit.		
Raising condition: ('IP Next Hop Usage High' EQUAL 'true')		
Clearing condition: ('IP Next Hop Usage High' EQUAL 'false')		
Remedial action: The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit. There is no immediate effect, but when the usage actually hits the limit, new hosts will not get their managed routes.		

Table 8-158 TemperatureThresholdCrossed

Alarm	Attributes	Applicable major NE releases
Name: TemperatureThresholdCrossed (7) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Environment	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when a temperature crosses a threshold.		
Raising condition: ('temperatureThresholdCrossed' EQUAL 'true')		
Clearing condition: ('temperatureThresholdCrossed' EQUAL 'false')		
Remedial action: The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 8-159 TmnxEqPortEtherLoopDetected

Alarm	Attributes	Applicable major NE releases
Name: TmnxEqPortEtherLoopDetected (461) Type: portEtherLoopDetected (48) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when a device detects a physical loop on an Ethernet port.		
Raising condition: (('Down When Looped Status' EQUAL 'Loop Detected'))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: (('Down When Looped Status' EQUAL 'No Loop Detected'))		
Remedial action: An Ethernet port has been mis-cabled - please remove the loopback cable on the port.		

(2 of 2)

Table 8-160 TPLSPDown

Alarm	Attributes	Applicable major NE releases
Name: TPLSPDown (4900) Type: pathAlarm (12) Package: mplstp Raised on class: mplstp.TPLsp	Severity: critical Implicitly cleared: true Default probable cause: TPLSPDown (1957)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the TP LSP Administrative State is Up and the Operational State is Down. The alarm clears when the TP LSP Operational State changes to Up or the Administrative State changes to Down.		
Raising condition: (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up'))		
Clearing condition: (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up'))		
Remedial action: The Operational state of the TP LSP is down, despite the Administrative state being up. Review the configuration and make sure that the destination information is set correctly and that the Administrative state is up.		

Table 8-161 TPLSPPATHDown

Alarm	Attributes	Applicable major NE releases
Name: TPLSPPATHDown (4901) Type: pathAlarm (12) Package: mplstp Raised on class: mplstp.TPLspPath	Severity: critical Implicitly cleared: true Default probable cause: TPLSPPATHDown (1958)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the TP LSP Path Administrative State is Up and the Operational State is Down. The alarm clears when the TP LSP Path Operational State changes to Up or the Administrative State changes to Down.		
Raising condition: (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up'))		
Clearing condition: (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up'))		
Remedial action: The Operational state of the TP LSP Path is down, despite the Administrative state being up. Review the configuration and make sure that the Administrative state is up, the egress and ingress labels are set and the Out-Link interface is operationally up.		

Table 8-162 TrapDestinationMisconfigured

Alarm	Attributes	Applicable major NE releases
Name: TrapDestinationMisconfigured (33) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: trapDestinationMisconfigured (26) Applicable probable causes: <ul style="list-style-type: none"> trapDestinationMisconfigured duplicateTrapLogId 	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the 5620 SAM cannot be added to the NE's SNMP trap destinations.		
Raising condition: ('isTrapDestinationMisconfigured' EQUAL 'true')		
Clearing condition: ('isTrapDestinationMisconfigured' EQUAL 'false')		
Remedial action: A configuration error has been made which must be corrected. The SNMP trap destination on the NE must be configured to the IP address of the SAM server.		

Table 8-163 TrapReceivingFailure

Alarm	Attributes	Applicable major NE releases
Name: TrapReceivingFailure (1083) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: false Default probable cause: trapsWillNotBeSent (822)	<ul style="list-style-type: none"> 6.0.0
Description: This user-defined alarm is raised when the NE is unable to send traps because the NE configuration is one of the following: - The Management IP Selection is set to Out Of Band Only, the Primary Route Preference is set to In Band, and the Secondary Route Preference is set to None. - The Management IP Selection is set to In Band Only, the Primary Route Preference is set to Out Of Band, and the Secondary Route Preference is set to None.		
Raising condition: (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
Clearing condition: (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND (('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND (('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND (('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND (('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band Preferred') AND (('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band'))))		
Remedial action: A configuration error has been made which must be corrected. The configuration error must be corrected per the discussion in the description for this alarm.		

Table 8-164 TrapRoutePreferenceRedundancyMissing

Alarm	Attributes	Applicable major NE releases
Name: TrapRoutePreferenceRedundancyMissing (1084) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: trapsRedundancyMissing (823)	<ul style="list-style-type: none"> 6.0.0
Description: The user-defined alarm is raised when NE management redundancy is configured without trap route preference redundancy.		
Raising condition: (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
Clearing condition: (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Secondary Route Preference' NOT EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Secondary Route Preference' NOT EQUAL 'None'))))		
Remedial action: A configuration error has been made which must be corrected. The IP address of the standby SAM server must be configured on the NE in question.		

Table 8-165 TunnelAdministrativelyDown (mpls)

Alarm	Attributes	Applicable major NE releases
Name: TunnelAdministrativelyDown (523) Type: pathAlarm (12) Package: mpls Raised on class: mpls.Tunnel	Severity: minor Implicitly cleared: true Default probable cause: tunnelAdministrativelyDown (333)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the 5620 SAM detects that an MPLS path is administratively down.		
Raising condition: ('Administrative' NOT EQUAL 'Up')		
Clearing condition: ('Administrative' EQUAL 'Up')		
Remedial action: Turn up the corresponding MPLS path.		

Table 8-166 TunnelAdministrativelyDown (svt)

Alarm	Attributes	Applicable major NE releases
Name: TunnelAdministrativelyDown (523) Type: pathAlarm (12) Package: svt Raised on class: svt.Tunnel	Severity: minor Implicitly cleared: true Default probable cause: tunnelAdministrativelyDown (333)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the 5620 SAM detects that a service tunnel is administratively down.		
Raising condition: ('administrativeState' NOT EQUAL 'Up')		

(1 of 2)

8 — Alcatel-Lucent 7210 SAS R alarms

Alarm	Attributes	Applicable major NE releases
Clearing condition: ('administrativeState' EQUAL 'Up')		
Remedial action: Informational - an operator has manually turned down a service tunnel.		

(2 of 2)

Table 8-167 TunnelDown (mpls)

Alarm	Attributes	Applicable major NE releases
Name: TunnelDown (30) Type: pathAlarm (12) Package: mpls Raised on class: mpls.Tunnel	Severity: warning Implicitly cleared: true Default probable cause: tunnelDown (23)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when an MPLS path has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up'))		
Clearing condition: (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up'))		
Remedial action: Check the network resources along the path.		

Table 8-168 TunnelDown (svt)

Alarm	Attributes	Applicable major NE releases
Name: TunnelDown (30) Type: pathAlarm (12) Package: svt Raised on class: svt.AbstractTunnel	Severity: critical Implicitly cleared: true Default probable cause: tunnelDown (23)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the 5620 SAM detects that a service tunnel is operationally down.		
Raising condition: (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up'))		
Clearing condition: (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up'))		
Remedial action: This alarm indicates that a problem has been made in the underlying transport network. If the alarm persists or re-occurs frequently then investigation of the underlying transport issues is warranted.		

Table 8-169 UnidentifiedNode

Alarm	Attributes	Applicable major NE releases
Name: UnidentifiedNode (1922) Type: communicationsAlarm (4) Package: netw Raised on class: netw.DiscoveredNode	Severity: major Implicitly cleared: true Default probable cause: unidentifiedNode (922)	<ul style="list-style-type: none"> 6.0.0

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when the node being discovered can not be properly identified.		
Raising condition: ('State' EQUAL 'Pending Identification')		
Clearing condition: ('State' NOT EQUAL 'Pending Identification')		
Remedial action: A configuration error has occurred that must be corrected. The eNodeB does not have a system name. The name can be configured by selecting the alarm, opening the associated properties form for the alarmed object and configuring the system name.		

(2 of 2)

Table 8-170 UnmanageFailed

Alarm	Attributes	Applicable major NE releases
Name: UnmanageFailed (300) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.NodeDiscoveryControl	Severity: warning Implicitly cleared: true Default probable cause: unableToDeleteNode (231)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when an attempt to unmanage an NE fails.		
Raising condition: ('Site State' EQUAL 'unmanage failed')		
Clearing condition: ('Site State' NOT EQUAL 'unmanage failed')		
Remedial action: Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 8-171 unsupportedPortUsage

Alarm	Attributes	Applicable major NE releases
Name: unsupportedPortUsage (5184) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: warning Implicitly cleared: true Default probable cause: incompatiblePortUsage (2100)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised in case unsupported port type is configured		
Raising condition: (('portId' >= '1L') AND ('portId' <= '4L') AND ('specificCardType' EQUAL 'EASv2') AND (('Port Usage' EQUAL 'MPT-HC') OR ('Port Usage' EQUAL 'MPT-MC')))"		
Clearing condition: NOT (((('portId' >= '1L') AND ('portId' <= '4L') AND ('specificCardType' EQUAL 'EASv2') AND (('Port Usage' EQUAL 'MPT-HC') OR ('Port Usage' EQUAL 'MPT-MC')))))"		
Remedial action: This alarm indicates unsupported port usage. Port usage configured on the NE is not supported by SAM.		

Table 8-172 UpgradedBuildVersionMismatch

Alarm	Attributes	Applicable major NE releases
Name: UpgradedBuildVersionMismatch (174) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: upgradedImageNotBooted (137)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the software version that an NE reports after a software upgrade does not match the version of the software used for the upgrade.		
Raising condition: ('upgradedBuildVersionMismatch' EQUAL 'true')		
Clearing condition: ('upgradedBuildVersionMismatch' EQUAL 'false')		
Remedial action: Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 8-173 upgradedCardAlarm

Alarm	Attributes	Applicable major NE releases
Name: upgradedCardAlarm (255) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: upgradedCard (194)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the standby CPM is rebooted and operational after a software upgrade. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
Raising condition: ('operationalState' EQUAL 'Upgrade')		
Clearing condition: ('operationalState' EQUAL 'Up')		
Remedial action: Informational - no corrective action required.		

Table 8-174 VersionConfigRestoreFailed

Alarm	Attributes	Applicable major NE releases
Name: VersionConfigRestoreFailed (536) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: versionMismatch (405)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the restore procedure on an NE fails because of a mismatch between the backup file set version and the NE software version.		
Raising condition: ('lastNmsVersionRestoreState' EQUAL 'Failure')		
Clearing condition: ('lastNmsVersionRestoreState' EQUAL 'Success')		
Remedial action: The backup files being restored do not match with the version of node software release. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

Table 8-175 VirtualLinkDown

Alarm	Attributes	Applicable major NE releases
Name: VirtualLinkDown (122) Type: VirtualLinkAlarm (21) Package: ospf Raised on class: ospf.VirtualLink	Severity: warning Implicitly cleared: true Default probable cause: VirtualLinkDown (104)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when a virtual link is Down.		
Raising condition: ('Operational State' EQUAL 'Down')		
Clearing condition: ('Operational State' NOT EQUAL 'Down')		
Remedial action: This alarm is raised when the OSPF virtual link is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 8-176 VirtualNeighborDown

Alarm	Attributes	Applicable major NE releases
Name: VirtualNeighborDown (123) Type: VirtualNeighborDown (22) Package: ospf Raised on classes: <ul style="list-style-type: none"> ospf.ShamLink ospf.VirtualLink 	Severity: warning Implicitly cleared: true Default probable cause: VirtualNeighborDown (105)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when a neighbor virtual link is operationally down.		
Raising condition: ('neighborCount' EQUAL '0L')		
Clearing condition: ('neighborCount' NOT EQUAL '0L')		
Remedial action: This alarm is raised when the OSPF neighbor virtual link is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 8-177 WrongCpaaSoftwareVersion

Alarm	Attributes	Applicable major NE releases
Name: WrongCpaaSoftwareVersion (791) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: wrongCpaaSoftwareVersion (559)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the 7701 CPAA software is the wrong version and requires an upgrade.		
Raising condition: (('Software Version' EQUAL "\"TiMOS-B-3.0.Generic \") AND ('Chassis Type' EQUAL '7701 CPAA'))		

(1 of 2)

8 — Alcatel-Lucent 7210 SAS R alarms

Alarm	Attributes	Applicable major NE releases
Clearing condition: (('Software Version' NOT EQUAL '\TIMOS-B-3.0.Generic \') AND ('Chassis Type' EQUAL '7701 CPAA'))		
Remedial action: The SW version of the CPAA must be upgraded to the version compatible with CPAM version.		

(2 of 2)

Table 8-178 XplError

Alarm	Attributes	Applicable major NE releases
Name: XplError (573) Type: hardwareAnomaly (55) Package: equipment Raised on class: equipment.DaughterCard	Severity: minor Implicitly cleared: true Default probable cause: xplError (443)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when an MDA reports persistent XPL Errors.		
Raising condition: ('Number Of Notifications' NOT EQUAL '0')		
Clearing condition: ('Number Of Notifications' EQUAL '0')		
Remedial action: Informational - if the condition persists then the MDA indicated in the alarm should be replaced.		

9 — Alcatel-Lucent 7210 SAS T alarms



Note — Some alarms that the 5620 SAM can raise against this device may not be listed in this chapter. Associating alarms with specific NE types is an ongoing Alcatel-Lucent effort. If the 5620 SAM raises an alarm against this device type, and the alarm is not described in this chapter, see chapter 35 for information about the alarm.

Table 9-1 AccessInterfaceDown

Alarm	Attributes	Applicable major NE releases
Name: AccessInterfaceDown (249) Type: AccessInterfaceAlarm (32) Package: service Raised on class: service.AccessInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when an L2 or L3 interface operational state is Down. The alarm is not raised against an L2 access interface that is associated with an MC ring or MC LAG in the standby state.		
Raising condition: (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'Standby For MC-Ring') AND ('State Cause' NOT EQUAL 'Standby For MC-Lag') AND ('State Cause' NOT EQUAL 'Standby For BGP Multi-homing'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'Standby For MC-Ring') OR ('State Cause' EQUAL 'Standby For MC-Lag') OR ('State Cause' EQUAL 'Standby For BGP Multi-homing'))		
Remedial action: The condition exists because the physical interface is down either because it is administratively disabled, faulty or a cabling fault has occurred. Ensure that the interface is administratively up. Check for a poor cable connection to the port or for a faulty cable/fiber. If neither appears to be the problem run diagnostics on the port to determine if it is faulty.		

Table 9-2 ActiveAbnormalCondition

Alarm	Attributes	Applicable major NE releases
Name: ActiveAbnormalCondition (3938) Type: activeAbnormalConditionAlarm (116) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ActiveAbnormalConditionState (1520)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is an indication for abnormal condition on NE.		
Raising condition: ('abnormalCondition' EQUAL 'true')		
Clearing condition: ('abnormalCondition' EQUAL 'false')		
Remedial action: This alarm is raised when there is a abnormal state indication on NE.		

Table 9-3 AGWDiameterPeerDown

Alarm	Attributes	Applicable major NE releases
Name: AGWDiameterPeerDown (844) Type: EpcAlarm (59) Package: lte Raised on class: lte.AGWDiameterPeer	Severity: variable Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the path management state of a Diameter peer changes to a state other than Up.		
Raising condition: ('Path Diameter Management State' NOT EQUAL 'Active')		
Clearing condition: ('Path Diameter Management State' EQUAL 'Active')		
Remedial action: A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

Table 9-4 AncillaryPathLimitReached

Alarm	Attributes	Applicable major NE releases
Name: AncillaryPathLimitReached (459) Type: resourceAlarm (28) Package: equipment Raised on class: equipment.DaughterCard	Severity: warning Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the Ingress Multicast Path Management ancillary path bandwidth limit is reached.		
Raising condition: (('Ancillary Path Limit Override' > '0') AND ('Ancillary Path In use' >= (1000 * 'Ancillary Path Limit Override'))"		
Clearing condition: (('Ancillary Path Limit Override' > '0') AND ('Ancillary Path In use' < (1000 * 'Ancillary Path Limit Override'))"		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: Informational - The alarm is raised when the Ingress Multicast Path Management ancillary path bandwidth limit is reached. This can be remedied by modifying the ancillary path limit located at T1 Paths tab of the multicast bandwidth policy which assigned to the card, or increase the ancillary path limit override located at the Daughter Card tab under Daughter Card Slot form.		

(2 of 2)

Table 9-5 AsymmetricalConfig (multichassis)

Alarm	Attributes	Applicable major NE releases
Name: AsymmetricalConfig (295) Type: configurationAlarm (11) Package: multichassis Raised on classes: <ul style="list-style-type: none"> multichassis.AbstractMultiChassisLag multichassis.MultiChassisLagMember multichassis.AbstractMultiChassisPeer 	Severity: major Implicitly cleared: true Default probable cause: asymmetricalConfig (226)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when there is a peer configuration mismatch that prevents MC operation.		
Raising condition: ('Config Mismatches' NOT EQUAL 'OL')		
Clearing condition: ('Config Mismatches' EQUAL 'OL')		
Remedial action: Check configurations on both members to see anything not matched.		

Table 9-6 AuxiliaryServerStatus

Alarm	Attributes	Applicable major NE releases
Name: AuxiliaryServerStatus (311) Type: communicationsAlarm (4) Package: server Raised on class: server.AuxiliaryServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when a 5620 SAM main server cannot communicate with an auxiliary server. The alarm clears when communication is restored.		
Raising condition: ('Server Status' EQUAL 'Down')		
Clearing condition: ('Server Status' EQUAL 'Up')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the AUX and SAM servers is unreliable.		

Table 9-7 BITS2NotQualified

Alarm	Attributes	Applicable major NE releases
Name: BITS2NotQualified (1941) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: timingReferenceNotQualified (418)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the BITS-2 timing reference on an NE is not in the Qualified state.		
Raising condition: (('Qualified For Use' EQUAL 'Not Qualified') AND ('Input Administrative State' NOT EQUAL 'Down'))		
Clearing condition: (('Qualified For Use' NOT EQUAL 'Not Qualified') OR ('Input Administrative State' EQUAL 'Down'))		
Remedial action: Make sure that BITS2 is qualified		

Table 9-8 BITSNotQualified

Alarm	Attributes	Applicable major NE releases
Name: BITSNotQualified (547) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: timingReferenceNotQualified (418)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the BITS timing reference on an NE is not in the Qualified state.		
Raising condition: (('Qualified For Use' EQUAL 'Not Qualified') AND ('Output Administrative State' NOT EQUAL 'Down'))		
Clearing condition: (('Qualified For Use' NOT EQUAL 'Not Qualified') OR ('Output Administrative State' EQUAL 'Down'))		
Remedial action: Make sure that BITS is qualified		

Table 9-9 BITSReferenceLossOfSignal

Alarm	Attributes	Applicable major NE releases
Name: BITSReferenceLossOfSignal (1950) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: BITSReferenceLossOfSignal (938)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the BITS reference on an NE is not qualified due to Loss of Signal.		
Raising condition: (('Not Qualified Due To'anyBit'LOS'))		
Clearing condition: NOT (((('Not Qualified Due To'anyBit'LOS'))))		
Remedial action: Make sure that peer connected to BITS is properly configured.		

Table 9-10 BITSReferenceOutOfFrequency

Alarm	Attributes	Applicable major NE releases
Name: BITSReferenceOutOfFrequency (1951) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: BITSReferenceOutOfFrequency (939)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the BITS Reference on an NE is not qualified due to Out of frequency.		
Raising condition: (('Not Qualified Due To anyBit'OOF'))		
Clearing condition: NOT (('Not Qualified Due To anyBit'OOF'))		
Remedial action: Make sure that frequency configured for BITS is correct.		

Table 9-11 BITSReferenceOutOfPollInRange

Alarm	Attributes	Applicable major NE releases
Name: BITSReferenceOutOfPollInRange (1952) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: BITSReferenceOutOfPollInRange (940)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the BITS Reference on an NE is not qualified state due to Out of poll in range.		
Raising condition: (('Not Qualified Due To anyBit'OOPIR'))		
Clearing condition: NOT (('Not Qualified Due To anyBit'OOPIR'))		
Remedial action: Check the BITS is configured correctly. Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary		

Table 9-12 BootableConfigBackupFailed

Alarm	Attributes	Applicable major NE releases
Name: BootableConfigBackupFailed (103) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the 5620 SAM fails to back up a set of NE configuration files.		
Raising condition: ('Backup State' EQUAL 'Failure')		
Clearing condition: ('Backup State' EQUAL 'Success')		
Remedial action: Investigation is required to resolve the following possible scenarios: insufficient disk space is available to accommodate the NE configuration files (additional SAM platform alarms will accompany this alarm); the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

Table 9-13 BootableConfigRestoreFailed

Alarm	Attributes	Applicable major NE releases
Name: BootableConfigRestoreFailed (104) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the 5620 SAM fails to restore a set of NE configuration files.		
Raising condition: ('Restore State' EQUAL 'Failure')		
Clearing condition: ('Restore State' EQUAL 'Success')		
Remedial action: Investigation is required to resolve the following possible scenarios: the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

Table 9-14 BootParametersMisconfigured

Alarm	Attributes	Applicable major NE releases
Name: BootParametersMisconfigured (35) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: persistentIndexFailure (30) Applicable probable causes: <ul style="list-style-type: none"> persistentIndexFailure configFileBootFailure 	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the SNMP Index Boot Status on an NE is not set to Persistent.		
Raising condition: (('isGenericNode' EQUAL 'false') AND ('State' NOT EQUAL 'Pre-provisioned') AND (('Config File Status' NOT EQUAL 'Executed Successfully') OR ('Persistent Index Status' NOT EQUAL 'Rebuild Succeeded')))		
Clearing condition: (('Config File Status' EQUAL 'Executed Successfully') AND ('Persistent Index Status' EQUAL 'Rebuild Succeeded'))		
Remedial action: Ensure that "SNMP Index Boot Status" is persistent (using cli command "show system information" on the NE). If not, unmanage the network element from SAM, ensure that "persist on" is set in the bof file, save the bof, save a config file, verify that an index file (.ndx) is saved as well, reboot the router, verify that SNMP Index Boot Status is persistent and finally remanage the router from SAM.		

Table 9-15 ClientDelegateServerStatus

Alarm	Attributes	Applicable major NE releases
Name: ClientDelegateServerStatus (731) Type: communicationsAlarm (4) Package: server Raised on class: server.ClientDelegateServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when a client delegate server is unreachable.		
Raising condition: ('Server Status' EQUAL 'Down')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: ('Server Status' EQUAL 'Up')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the client delegate platform and SAM servers is unreliable or the client delegate server itself is unreliable.		

(2 of 2)

Table 9-16 ContainingEquipmentAdministrativelyDown

Alarm	Attributes	Applicable major NE releases
Name: ContainingEquipmentAdministrativelyDown (466) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: minor Implicitly cleared: true Default probable cause: containingEquipmentAdministrativelyDown (330)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentAdministrativelyDown.		
Raising condition: (('Status' EQUAL 'Parent Admin Down') AND ('isTerminatable' EQUAL 'true'))		
Clearing condition: (('Status' NOT EQUAL 'Parent Admin Down') OR ('isTerminatable' NOT EQUAL 'true'))		
Remedial action: Informational - no corrective action required.		

Table 9-17 ContainingEquipmentMismatch

Alarm	Attributes	Applicable major NE releases
Name: ContainingEquipmentMismatch (464) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentMismatch (328)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentMismatch.		
Raising condition: (('Status' EQUAL 'Parent Type Mismatch') AND ('isTerminatable' EQUAL 'true'))		
Clearing condition: (('Status' NOT EQUAL 'Parent Type Mismatch') OR ('isTerminatable' NOT EQUAL 'true'))		
Remedial action: A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

Table 9-18 ContainingEquipmentOperationallyDown

Alarm	Attributes	Applicable major NE releases
Name: ContainingEquipmentOperationallyDown (465) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentDown (329)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentOperationallyDown.		
Raising condition: (('Status' EQUAL 'Parent Oper Down') AND ('isTerminatable' EQUAL 'true'))		
Clearing condition: (('Status' NOT EQUAL 'Parent Oper Down') OR ('isTerminatable' NOT EQUAL 'true'))		
Remedial action: The operational state of the equipment element indicated in the alarm is down. This may be due to the element's administrative state or it may indicate that the element has failed.		

Table 9-19 CorruptImageFile

Alarm	Attributes	Applicable major NE releases
Name: CorruptImageFile (171) Type: configurationAlarm (11) Package: mediation Raised on class: mediation.AbstractSoftwareFolderDescriptor	Severity: critical Implicitly cleared: true Default probable cause: invalidOrCorruptImageFile (134)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when one or more files in the 5620 SAM software image specified for a device software upgrade is invalid, corrupt or absent. The 5620 SAM validates a device software file set before it imports the file set and distributes it to an NE. Ensure that the file set downloads properly to the NE and is not tampered with before you re-attempt the upgrade. The alarm clears when a valid file set is on the NE and the 5620 SAM activates the software image in the file set.		
Raising condition: ('isImageValid' EQUAL 'false')		
Clearing condition: ('isImageValid' EQUAL 'true')		
Remedial action: The existing SW image in the SAM database should be replaced with an image that is known to be complete and valid.		

Table 9-20 DDMAux1HighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMAux1HighAlarm (495) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: aux1HighAlarm (381)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the manufacturer-specific Auxiliary 1 of the XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux1 High Alarm')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: NOT (('failedThresholds'anyBit'Aux1 High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

(2 of 2)

Table 9-21 DDMAux1HighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMAux1HighWarning (494) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: aux1HighWarning (380)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the manufacturer-specific Auxiliary 1 of the XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux1 High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux1 High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 9-22 DDMAux1LowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMAux1LowAlarm (493) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: aux1LowAlarm (379)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the manufacturer-specific Auxiliary 1 of the XFP reaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux1 Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux1 Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 9-23 DDMAux1LowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMAux1LowWarning (492) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: aux1LowWarning (378)	<ul style="list-style-type: none"> 6.0.0

(1 of 2)

9 – Alcatel-Lucent 7210 SAS T alarms

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when the manufacturer-specific Auxiliary 1 of the XFP approaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux1 Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux1 Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

(2 of 2)

Table 9-24 DDMAux2HighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMAux2HighAlarm (499) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: aux2HighAlarm (385)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the manufacturer-specific Auxiliary 2 of the XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux2 High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux2 High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 9-25 DDMAux2HighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMAux2HighWarning (498) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: aux2HighWarning (384)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the manufacturer-specific Auxiliary 2 of the XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux2 High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux2 High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 9-26 DDMAux2LowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMAux2LowAlarm (497) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: aux2LowAlarm (383)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the manufacturer-specific Auxiliary 2 of the XFP reaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux2 Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux2 Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 9-27 DDMAux2LowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMAux2LowWarning (496) Type: communicationthresholdAlarmnsAlarm (50) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: aux2LowWarning (382)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the manufacturer-specific Auxiliary 2 of the XFP approaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux2 Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux2 Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 9-28 DDMRxOpticalPowerHighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMRxOpticalPowerHighAlarm (491) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: rxOpticalPowerHighAlarm (377)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the received optical power of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Rx Optical Power High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Rx Optical Power High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 9-29 DDMRxOpticalPowerHighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMRxOpticalPowerHighWarning (490) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: rxOpticalPowerHighWarning (376)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the received optical power of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBitRx Optical Power High Warning')		
Clearing condition: NOT (('failedThresholds'anyBitRx Optical Power High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 9-30 DDMRxOpticalPowerLowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMRxOpticalPowerLowAlarm (489) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: rxOpticalPowerLowAlarm (375)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the received optical power of an SFP or XFP reaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBitRx Optical Power Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBitRx Optical Power Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 9-31 DDMRxOpticalPowerLowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMRxOpticalPowerLowWarning (488) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: rxOpticalPowerLowWarning (374)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the received optical power of an SFP or XFP approaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBitRx Optical Power Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBitRx Optical Power Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 9-32 DDMSupplyVoltageHighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMSupplyVoltageHighAlarm (479) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: supplyVoltageHighAlarm (365)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the supply voltage of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Supply Voltage High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Supply Voltage High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 9-33 DDMSupplyVoltageHighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMSupplyVoltageHighWarning (478) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: supplyVoltageHighWarning (364)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the supply voltage of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Supply Voltage High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Supply Voltage High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 9-34 DDMSupplyVoltageLowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMSupplyVoltageLowAlarm (477) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: supplyVoltageLowAlarm (363)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the supply voltage of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Supply Voltage Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Supply Voltage Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 9-35 DDMSupplyVoltageLowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMSupplyVoltageLowWarning (476) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: supplyVoltageLowWarning (362)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the supply voltage of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Supply Voltage Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Supply Voltage Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 9-36 DDMTemperatureHighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTemperatureHighAlarm (475) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: temperatureHighAlarm (361)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the temperature of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Temperature High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Temperature High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 9-37 DDMTemperatureHighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTemperatureHighWarning (474) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: temperatureHighWarning (360)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the temperature of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Temperature High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Temperature High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 9-38 DDMTemperatureLowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTemperatureLowAlarm (473) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: temperatureLowAlarm (359)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the temperature of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Temperature Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Temperature Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 9-39 DDMTemperatureLowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTemperatureLowWarning (472) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: temperatureLowWarning (358)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the temperature of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Temperature Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Temperature Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 9-40 DDMTxBiasCurrentHighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTxBiasCurrentHighAlarm (483) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: txBiasCurrentHighAlarm (369)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the transmit bias current of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Bias Current High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Bias Current High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 9-41 DDMTxBiasCurrentHighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTxBiasCurrentHighWarning (482) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: txBiasCurrentHighWarning (368)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the transmit bias current of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Bias Current High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Bias Current High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 9-42 DDMTxBiasCurrentLowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTxBiasCurrentLowAlarm (481) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: txBiasCurrentLowAlarm (367)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the transmit bias current of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Bias Current Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Bias Current Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 9-43 DDMTxBiasCurrentLowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTxBiasCurrentLowWarning (480) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: txBiasCurrentLowWarning (366)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the transmit bias current of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Bias Current Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Bias Current Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 9-44 DDMTxOutputPowerHighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTxOutputPowerHighAlarm (487) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: txOutputPowerHighAlarm (373)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the output power of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Output Power High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Output Power High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 9-45 DDMTxOutputPowerHighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTxOutputPowerHighWarning (486) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: txOutputPowerHighWarning (372)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the output power of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Output Power High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Output Power High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 9-46 DDMTxOutputPowerLowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTxOutputPowerLowAlarm (485) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: txOutputPowerLowAlarm (371)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the output power of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Output Power Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Output Power Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 9-47 DDMTxOutputPowerLowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTxOutputPowerLowWarning (484) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: txOutputPowerLowWarning (370)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the output power of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Output Power Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Output Power Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 9-48 downgradedCardAlarm

Alarm	Attributes	Applicable major NE releases
Name: downgradedCardAlarm (256) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: downgradedCard (195)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when an IOM is not upgraded or reset after a device software upgrade of both CPMs. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
Raising condition: ('operationalState' EQUAL 'Downgrade')		
Clearing condition: ('operationalState' EQUAL 'Up')		
Remedial action: Informational - no corrective action required.		

Table 9-49 DS1E1AlarmIndicationSignal

Alarm	Attributes	Applicable major NE releases
Name: DS1E1AlarmIndicationSignal (112) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: alarmIndicationSignal (96)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when an NE reports that a specific DS1 or E1 channel has an AIS alarm condition.		
Raising condition: (('Outstanding Alarms'anyBit'Alarm Indication Signal') AND ('Report Alarms'anyBit'Alarm Indication Signal'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Alarm Indication Signal') AND ('Report Alarms'anyBit'Alarm Indication Signal'))))		
Remedial action: Informational only.		

Table 9-50 DS1E1Looped

Alarm	Attributes	Applicable major NE releases
Name: DS1E1Looped (126) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: farEndLoopback (102)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when an NE reports that a specific DS1 or E1 channel has a remote loopback alarm condition.		
Raising condition: (('Outstanding Alarms'anyBit'Far end wants the near end to loopback') AND ('Report Alarms'anyBit'Far end wants the near end to loopback'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'Far end wants the near end to loopback') AND ('Report Alarms'anyBit'Far end wants the near end to loopback'))		
Remedial action: Informational only.		

Table 9-51 DS1E1LossOfSignal

Alarm	Attributes	Applicable major NE releases
Name: DS1E1LossOfSignal (124) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: lossOfSignal (99)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when an NE reports that a specific DS1 or E1 channel has an LOS alarm condition.		
Raising condition: (('Outstanding Alarms'anyBit'Loss of Signal') AND ('Report Alarms'anyBit'Loss of Signal'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'Loss of Signal') AND ('Report Alarms'anyBit'Loss of Signal'))		
Remedial action: Informational only.		

Table 9-52 DS1E1OutOfFrame

Alarm	Attributes	Applicable major NE releases
Name: DS1E1OutOfFrame (125) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: outOfFrame (100)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when an NE reports that a specific DS1 or E1 channel has an OOF alarm condition.		
Raising condition: (('Outstanding Alarms'anyBit'Out Of Frame') AND ('Report Alarms'anyBit'Out Of Frame'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'Out Of Frame') AND ('Report Alarms'anyBit'Out Of Frame'))		
Remedial action: Informational only.		

Table 9-53 DS1E1ResourceAvailabilityIndicator

Alarm	Attributes	Applicable major NE releases
Name: DS1E1ResourceAvailabilityIndicator (114) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: resourceAvailabilityIndicator (98)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when an NE reports that a specific DS1 or E1 channel has an RAI alarm condition.		
Raising condition: (('Outstanding Alarms'anyBit'Resource Availability Indicator') AND ('Report Alarms'anyBit'Resource Availability Indicator'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'Resource Availability Indicator') AND ('Report Alarms'anyBit'Resource Availability Indicator'))		
Remedial action: Informational only.		

Table 9-54 DS1E1SignalDegradation

Alarm	Attributes	Applicable major NE releases
Name: DS1E1SignalDegradation (500) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: signalDegradation (386)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when an NE reports that a specific DS1 or E1 channel has an SD alarm condition.		
Raising condition: (('Outstanding Alarms'anyBit'Signal Degradation') AND ('Report Alarms'anyBit'Signal Degradation'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'Signal Degradation') AND ('Report Alarms'anyBit'Signal Degradation'))		
Remedial action: Informational only.		

Table 9-55 DS1E1SignalFailure

Alarm	Attributes	Applicable major NE releases
Name: DS1E1SignalFailure (501) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: signalFailure (387)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when an NE reports that a specific DS1 or E1 channel has an SF alarm condition.		
Raising condition: (('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))		
Remedial action: Informational only.		

Table 9-56 EfmOamAlarm

Alarm	Attributes	Applicable major NE releases
Name: EfmOamAlarm (4617) Type: equipmentAlarm (3) Package: ethernetEquipment Raised on class: ethernetEquipment.Dot3Oam	Severity: minor Implicitly cleared: true Default probable cause: EFMOperationalStateOutOfService (1886)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when EFM Ignore status is Enabled, and Physical port Administrative State is Down.		
Raising condition: ('Ignore EFM State' EQUAL 'true')		
Clearing condition: ('Ignore EFM State' EQUAL 'true')		
Remedial action: The alarm is raised when EFM Ignore status is Enabled, and Physical port Administrative State is Down.		

Table 9-57 EquipmentAdministrativelyDown

Alarm	Attributes	Applicable major NE releases
Name: EquipmentAdministrativelyDown (455) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: minor Implicitly cleared: true Default probable cause: equipmentAdministrativelyDown (326)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentAdministrativelyDown.		
Raising condition: ('compositeEquipmentState' EQUAL 'Admin Down')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Admin Down')		
Remedial action: Informational - no corrective action required.		

Table 9-58 EquipmentDegraded

Alarm	Attributes	Applicable major NE releases
Name: EquipmentDegraded (604) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: minor Implicitly cleared: true Default probable cause: singleFanFailure (450)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when a single fan fails. The chassis attempts to continue operating within the normal temperature range using only the remaining fans.		
Raising condition: ('Device State' EQUAL 'MinorFailure')		
Clearing condition: ('Device State' NOT EQUAL 'MinorFailure')		
Remedial action: The failed fan unit should be replaced.		

Table 9-59 EquipmentDown

Alarm	Attributes	Applicable major NE releases
Name: EquipmentDown (10) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: inoperableEquipment (8)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentOperationallyDown.		
Raising condition: ('compositeEquipmentState' EQUAL 'Oper Down')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Oper Down')		
Remedial action: This alarm indicates that a card in the NE has failed. The card must be replaced.		

Table 9-60 EquipmentFailure

Alarm	Attributes	Applicable major NE releases
Name: EquipmentFailure (145) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.ReplaceableUnit	Severity: critical Implicitly cleared: true Default probable cause: cardFailure (123)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when a control processor or power-supply tray reports a failure. When the object type is ControlProcessor, a CPM may be unable to boot. When the object type is Power Supply Tray and the alarm is raised during device discovery, a power-supply tray may be out of service. When the object type is a Power Supply Tray and the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
Raising condition: ('operationalState' EQUAL 'Failed')		
Clearing condition: ('operationalState' NOT EQUAL 'Failed')		
Remedial action: If the alarm indicates that the CPM card has a fault, remove the card and reset it. If this does not clear the alarm then please contact Alcatel-Lucent support for assistance. If the alarm indicates that the Power Supply tray is out of service ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 9-61 EquipmentInTest

Alarm	Attributes	Applicable major NE releases
Name: EquipmentInTest (11) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: warning Implicitly cleared: true Default probable cause: equipmentInTest (9)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when equipment enters a diagnostic state.		
Raising condition: ('compositeEquipmentState' EQUAL 'In Test')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'In Test')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: Informational - no corrective action required.		

(2 of 2)

Table 9-62 EquipmentMismatch

Alarm	Attributes	Applicable major NE releases
Name: EquipmentMismatch (9) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: equipmentTypeMismatch (7)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMismatch.		
Raising condition: ('compositeEquipmentState' EQUAL 'Type Mismatch')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Type Mismatch')		
Remedial action: A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

Table 9-63 EquipmentRemoved

Alarm	Attributes	Applicable major NE releases
Name: EquipmentRemoved (8) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: replaceableEquipmentRemoved (6)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMissing.		
Raising condition: (('compositeEquipmentState' EQUAL 'Removed') AND ('isEquipmentInserted' EQUAL 'true'))		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Removed')		
Remedial action: Informational - this alarm is raised when a card is removed.		

Table 9-64 EthernetPortConfiguredLoopback

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortConfiguredLoopback (801) Type: configurationAlarm (11) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: warning Implicitly cleared: true Default probable cause: ethernetPortConfiguredLoopback (567)	<ul style="list-style-type: none"> 6.0.0

(1 of 2)

9 – Alcatel-Lucent 7210 SAS T alarms

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when a timed loopback is in effect for an Ethernet port.		
Raising condition: (('Type' NOT EQUAL 'None'))		
Clearing condition: (('Type' EQUAL 'None'))		
Remedial action: This alarm has been raised by the node because "Timed Loopback" option of the specific port's Ethernet property has been enabled. To resolve this problem from "Ethernet" tab of "Physical Port" properties form configure "Timed Loopback" Type property as "None".		

(2 of 2)

Table 9-65 EthernetPortDuplicateLane

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortDuplicateLane (3557) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: DuplicateLane (1387)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when a device reports a Duplicate Lane on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 9-66 EthernetPortHighBer

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortHighBer (307) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when a device reports a high bit-error rate on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))		
Remedial action: One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 9-67 EthernetPortLocalFault

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortLocalFault (305) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: LocalFault (236)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when a device reports a local fault on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))		
Remedial action: One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 9-68 EthernetPortNoAmLock

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortNoAmLock (3558) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoAmLock (1388)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when a device reports a No Am Lock on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 9-69 EthernetPortNoBlockLock

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortNoBlockLock (3559) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoBlockLock (1389)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when a device reports a No Block Lock on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock'))		

(1 of 2)

9 – Alcatel-Lucent 7210 SAS T alarms

Alarm	Attributes	Applicable major NE releases
Clearing condition: NOT (((('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock'))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

(2 of 2)

Table 9-70 EthernetPortNoFrameLock

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortNoFrameLock (306) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoFrameLock (237)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when a device reports No Frame Lock on an Ethernet port.		
Raising condition: ((('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock'))		
Remedial action: One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 9-71 EthernetPortRemoteFault

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortRemoteFault (304) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: RemoteFault (235)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when a device reports a remote fault on an Ethernet port.		
Raising condition: ((('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault'))		
Remedial action: One of the following conditions exists on the remote physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 9-72 EthernetPortSignalFailure

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortSignalFailure (303) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: SignalFailure (234)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when a device reports a signal failure on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))))		
Remedial action: One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 9-73 ExternalTimingReferenceNotQualified

Alarm	Attributes	Applicable major NE releases
Name: ExternalTimingReferenceNotQualified (548) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: timingReferenceNotQualified (418)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the External timing reference on an NE is not in the Qualified state.		
Raising condition: (('Qualified For Use' EQUAL 'Not Qualified') AND ('Administrative State' NOT EQUAL 'Down'))		
Clearing condition: (('Qualified For Use' NOT EQUAL 'Not Qualified') OR ('Administrative State' EQUAL 'Down'))		
Remedial action: Informational		

Table 9-74 FanFailure

Alarm	Attributes	Applicable major NE releases
Name: FanFailure (624) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: fanFailure (116)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the associated fan is not operationally Up.		
Raising condition: (('Device State' EQUAL 'Failed') OR ('Device State' EQUAL 'Unknown') OR ('Device State' EQUAL 'OutOfservice'))		
Clearing condition: ('Device State' EQUAL 'OK')		
Remedial action: Remove and reset the fan unit. If this does not resolve the problem replace the fan.		

Table 9-75 FanTrayRemoved

Alarm	Attributes	Applicable major NE releases
Name: FanTrayRemoved (569) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: FanTrayRemoved (438)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the deviceState attribute has a value of deviceNotEquipped.		
Raising condition: ('Device State' EQUAL 'Not Equipped')		
Clearing condition: ('Device State' NOT EQUAL 'Not Equipped')		
Remedial action: Informational - a fan tray has been removed from the NE.		

Table 9-76 ForwardingTableSizeLimitReached

Alarm	Attributes	Applicable major NE releases
Name: ForwardingTableSizeLimitReached (164) Type: resourceAlarm (28) Package: I2fwd Raised on class: I2fwd.SiteFib	Severity: major Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the number of MAC address entries in the FIB reaches or exceeds the VPLS site high watermark specified by I2fwd.SiteFib.highWatermark. The alarm clears when the number of MAC address entries in the FIB drops below the VPLS site low watermark specified by I2fwd.SiteFib.lowWatermark. The alarm can be raised against a VPLS site, L2 access interface, or spoke SDP binding.		
Raising condition: (('Entries' >= 'Size') OR ('Entries' >= (('High Watermark' * 'Size') / 100.0)))		
Clearing condition: (('Entries' < 'Size') AND (('High Watermark' EQUAL '0L') OR ('Entries' < (('Low Watermark' * 'Size') / 100.0))) AND (('Low Watermark' EQUAL '0L') OR ('Entries' < (('Low Watermark' * 'Size') / 100.0)))		
Remedial action: Informational		

Table 9-77 FrameSizeProblem (netw)

Alarm	Attributes	Applicable major NE releases
Name: FrameSizeProblem (37) Type: configurationAlarm (11) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: frameSizeProblem (33)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when a provisioned MTU size value is greater than the supported MTU size value.		
Raising condition: (('mtuMismatch' EQUAL 'true') AND ('portId' NOT EQUAL '0L'))		
Clearing condition: (('mtuMismatch' EQUAL 'false') OR ('portId' EQUAL '0L'))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: A configuration error has been made which must be corrected. The MTU value must be changed such that is less than or equal to the supported MTU size value.		

(2 of 2)

Table 9-78 GaPeerDown

Alarm	Attributes	Applicable major NE releases
Name: GaPeerDown (3303) Type: EpcAlarm (59) Package: Iteggsn Raised on class: Iteggsn.GaPeer	Severity: major Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the path management state of a Ga peer changes to a state other than Up.		
Raising condition: ('Path Management State' NOT EQUAL 'Active')		
Clearing condition: ('Path Management State' EQUAL 'Active')		
Remedial action: A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

Table 9-79 IncompleteConfig (multichassis)

Alarm	Attributes	Applicable major NE releases
Name: IncompleteConfig (294) Type: configurationAlarm (11) Package: multichassis Raised on classes: <ul style="list-style-type: none"> multichassis.MultiChassisSync multichassis.MultiChassisLagMember 	Severity: major Implicitly cleared: true Default probable cause: incompleteConfig (225)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when a peer configuration cannot be found on the peer NE.		
Raising condition: ('mcLagPointer' EQUAL '\\"')		
Clearing condition: ('mcLagPointer' NOT EQUAL '\\"')		
Remedial action: Configure the missing peered object.		

Table 9-80 IncompleteConfiguration

Alarm	Attributes	Applicable major NE releases
Name: IncompleteConfiguration (1942) Type: operationalViolation (93) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: incompleteConfig (225)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when a pre-provisioned NE has no objects configured beneath it.		
Raising condition: (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' EQUAL '\'))		
Clearing condition: (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' NOT EQUAL '\'))		
Remedial action: A configuration error has been made which must be corrected. The configuration of the pre-provisioned NE is incomplete. A work order was not associated with the pre-provisioned NE and as a consequence the attempt to auto-configure the NE failed.		

Table 9-81 IncorrectPeerSynchronizationPortConfig

Alarm	Attributes	Applicable major NE releases
Name: IncorrectPeerSynchronizationPortConfig (780) Type: configurationAlarm (11) Package: multichassis Raised on class: multichassis.PeerSynchronizationPort	Severity: major Implicitly cleared: true Default probable cause: IncorrectPeerSynchronizationPortConfig (555)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the peer port does not exist, or when the peer port exists but the synchronization tags of the peers do not match.		
Raising condition: ('peerMatchFound' EQUAL 'false')		
Clearing condition: ('peerMatchFound' EQUAL 'true')		
Remedial action: Check if the peer port does not exist, or the peer port exists but the synchronization tags do not match.		

Table 9-82 IncorrectPeerSynchronizationPortEncapRangeConfig

Alarm	Attributes	Applicable major NE releases
Name: IncorrectPeerSynchronizationPortEncapRangeConfig (781) Type: configurationAlarm (11) Package: multichassis Raised on class: multichassis.PeerSynchronizationPortEncapRange	Severity: major Implicitly cleared: true Default probable cause: IncorrectPeerSynchronizationPortEncapRangeConfig (556)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the VLAN ranges on the Multi-Chassis synchronization peers do not match.		
Raising condition: ('Neighbor Match' EQUAL 'false')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: ('Neighbor Match' EQUAL 'true')		
Remedial action: Update the VLAN ranges on the Multi-Chassis synchronization peers to make them matching.		

(2 of 2)

Table 9-83 InterfaceDown (netw)

Alarm	Attributes	Applicable major NE releases
Name: InterfaceDown (36) Type: InterfaceAlarm (13) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when an interface or underlying resource fails, as indicated by an interface compositeState attribute value of failed or underlyingResourceFailed.		
Raising condition: (('compositeState' EQUAL 'Inoperable') OR ('compositeState' EQUAL 'Underlying Resource Inoperable'))		
Clearing condition: (('compositeState' NOT EQUAL 'Inoperable') AND ('compositeState' NOT EQUAL 'Underlying Resource Inoperable'))		
Remedial action: A physical port (physical interface, LAG, channel) associated with the network interface in not operation. Ensure that the interface is cabled and that there isn't a configuration error (i.e. MTU size set incorrectly) on the interface. Once the issue w		

Table 9-84 InterfaceDown (vpls)

Alarm	Attributes	Applicable major NE releases
Name: InterfaceDown (36) Type: configurationAlarm (11) Package: vpls Raised on class: vpls.L2ManagementInterface	Severity: major Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when an L2 management interface has an Operational State of Down, and the associated VPLS site has an Administrative State of Up.		
Raising condition: (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
Clearing condition: (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
Remedial action: The condition exists because the physical interface is down either because it is administratively disabled, faulty or a cabling fault has occurred. Ensure that the interface is administratively up. Check for a poor cable connection to the port or for a faulty cable/fiber. If neither appears to be the problem run diagnostics on the port to determine if it is faulty.		

Table 9-85 LagDown

Alarm	Attributes	Applicable major NE releases
Name: LagDown (20) Type: equipmentAlarm (3) Package: lag Raised on class: lag.Interface	Severity: critical Implicitly cleared: true Default probable cause: lagDown (17)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when all ports in a LAG are operationally down.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
Clearing condition: (('operationalState' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: This alarm indicates that all physical Ethernet links associated with a LAG are operationally down. The reasons for the links to be down may vary from link to link. The following possible causes of this alarm should be investigated. The physical port (near end or far end may have failed - this can be remedied by replacing the interface card in question. The physical links may have been turned down administratively - re-enable the links. A cable failure or disconnect may have occurred - please ensure that the cables are properly connected to the physical port and and that the cable has not been damaged.		

Table 9-86 LagPortAddFailed

Alarm	Attributes	Applicable major NE releases
Name: LagPortAddFailed (422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: warning Implicitly cleared: true Default probable cause: linkDown (315)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the Lag Port Add function Fails.		
Raising condition: (('state' EQUAL 'Link Down') AND ('LAG ID' > '0'))		
Clearing condition: (('state' NOT EQUAL 'Link Down') OR ('LAG ID' EQUAL '0'))		
Remedial action: A configuration error has occurred which must be corrected. The link that was to be added to the LAG group may be of the wrong type (i.e. non ethernet) or the limit of the number of links supported in a LAG may have been reached.		

Table 9-87 LicensedLimitExceeded

Alarm	Attributes	Applicable major NE releases
Name: LicensedLimitExceeded (127) Type: licensingAlarm (23) Package: security Raised on class: security.ProductLicense	Severity: critical Implicitly cleared: true Default probable cause: licensedLimitExceeded (106)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the license items in the network exceeds 100 percent of the license capacity.		
Raising condition: ('Exceeded' EQUAL 'true')		
Clearing condition: ('Exceeded' NOT EQUAL 'true')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: Informational - The number of SAM licenses purchased and available on the SAM server is insufficient as compared to the number of NEs/MDA/Cells under management in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

(2 of 2)

Table 9-88 LinkDown

Alarm	Attributes	Applicable major NE releases
Name: LinkDown (12) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: portLinkProblem (10)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when a port has no associated physical link or remote end point is operationally down.		
Raising condition: (('compositeEquipmentState' EQUAL 'Link Down') OR ('compositeEquipmentState' EQUAL 'Oper Down'))		
Clearing condition: (('compositeEquipmentState' NOT EQUAL 'Link Down') AND ('compositeEquipmentState' NOT EQUAL 'Oper Down'))		
Remedial action: Please make sure that port has physical link and remote end point is operationally up.		

Table 9-89 LowTemperatureDetected

Alarm	Attributes	Applicable major NE releases
Name: LowTemperatureDetected (1127) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOvercooled (838)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the chassis temperature falls below the minimum threshold.		
Raising condition: ('Low Temperature State' EQUAL 'Low')		
Clearing condition: ('Low Temperature State' NOT EQUAL 'Low')		
Remedial action: The NE has detected internal temperatures which are abnormally low. This may happen when the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 9-90 macMoveRateExceeded (service)

Alarm	Attributes	Applicable major NE releases
Name: macMoveRateExceeded (3690) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: minor Implicitly cleared: true Default probable cause: MacMoveRateExceeded (1429)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site.		
Raising condition: ('State Cause'anyBit'Relearn Limit Exceeded')		
Clearing condition: NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		
Remedial action: Informational.		

Table 9-91 macMoveRateExceededNonBlock (service)

Alarm	Attributes	Applicable major NE releases
Name: macMoveRateExceededNonBlock (4893) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: info Implicitly cleared: true Default probable cause: MacMoveRateExceededNonBlock (1951)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site when limitMacMove(sapTIsLimitMacMove) is set to 'nonBlocking'.		
Raising condition: ('State Cause'anyBit'Relearn Limit Exceeded')		
Clearing condition: NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		
Remedial action: Informational - User can adjust the value of 'MAC Move Maximum Rate' to reduce the frequency of this alarm.		

Table 9-92 MCLagDown (lag)

Alarm	Attributes	Applicable major NE releases
Name: MCLagDown (394) Type: equipmentAlarm (3) Package: lag Raised on class: lag.MultiChassisLagSpecifics	Severity: critical Implicitly cleared: true Default probable cause: mCLagDown (295)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when all ports in an MC LAG are operationally down.		
Raising condition: (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
Clearing condition: (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
Remedial action: This alarm indicates that all physical Ethernet links associated with a LAG are operationally down. The reasons for the links to be down may vary from link to link. The following possible causes of this alarm should be investigated. The physical port (near end or far end) may have failed - this can be remedied by replacing the interface card in question. The physical links may have been turned down administratively - re-enable the links. A cable failure or disconnect may have occurred - please ensure that the cables are properly connected to the physical port and that the cable has not been damaged.		

Table 9-93 MCLagDown (multichassis)

Alarm	Attributes	Applicable major NE releases
Name: MCLagDown (394) Type: equipmentAlarm (3) Package: multichassis Raised on class: multichassis.MultiChassisLagPeerSpecifics	Severity: critical Implicitly cleared: true Default probable cause: mclagDown (295)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when all ports in an MC LAG are operationally Down.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: This alarm indicates that all physical Ethernet links associated with a LAG are operationally down. The reasons for the links to be down may vary from link to link. The following possible causes of this alarm should be investigated. The physical port (near end or far end) may have failed - this can be remedied by replacing the interface card in question. The physical links may have been turned down administratively - re-enable the links. A cable failure or disconnect may have occurred - please ensure that the cables are properly connected to the physical port and that the cable has not been damaged.		

Table 9-94 MepAISReceivedAlarm

Alarm	Attributes	Applicable major NE releases
Name: MepAISReceivedAlarm (2945) Type: oamAlarm (18) Package: ethernetOam Raised on class: ethernetOam.Mep	Severity: variable Implicitly cleared: true Default probable cause: missingRemoteMep (388)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when a MEP Receives AIS test frames from one or more of its sub-layer MEPs.		
Raising condition: (('AIS Received (AisRx)' EQUAL 'true') AND ('Facility VLAN ID' EQUAL '0'))		
Clearing condition: ('AIS Received (AisRx)' EQUAL 'false')		
Remedial action: This alarm indicates that it has received a MEP fault from a sub-layer MEP, user should investigate the fault cause on the sub-layer MEP and resolve this root cause issue.		

Table 9-95 MobileConnectorDown

Alarm	Attributes	Applicable major NE releases
Name: MobileConnectorDown (1064) Type: EpcAlarm (59) Package: Iteservice Raised on class: Iteservice.MobileServiceConnector	Severity: minor Implicitly cleared: true Default probable cause: EpcDown (519)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the 5620 SAM no longer manages the EPS path instance of this mobile service site. As a result, the service must be regenerated.		
Raising condition: ('EPS Path' EQUAL "")		

(1 of 2)

9 — Alcatel-Lucent 7210 SAS T alarms

Alarm	Attributes	Applicable major NE releases
Clearing condition: ('EPS Path' NOT EQUAL '\')		
Remedial action: The underlying transport network has gone down resulting in the deletion of a mobile service connector (EPS path). Correct the issue with the transport network and regenerate the mobile service connector by clicking on the re-calculate button on the mobile service properties form.		

(2 of 2)

Table 9-96 MvrSiteDown

Alarm	Attributes	Applicable major NE releases
Name: MvrSiteDown (162) Type: ProtocolAlarm (1) Package: layer2 Raised on class: layer2.MvrSite	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when MVR is disabled on an NE and a TLS VLAN or MVR VLAN service is provisioned on the NE.		
Raising condition: ('MVR Admin Status' EQUAL 'Disabled')		
Clearing condition: ('MVR Admin Status' EQUAL 'Enabled')		
Remedial action: To clear the alarm, enable MVR Admin Status under the Bridge Instance.		

Table 9-97 NeManagementAndTrapManagementMismatch

Alarm	Attributes	Applicable major NE releases
Name: NeManagementAndTrapManagementMismatch (1079) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: neManagementChange (817)	<ul style="list-style-type: none"> 6.0.0
Description: This user-defined alarm is raised when the NE configuration is one of the following: - The Active Management IP is set to Out Of Band, and the Primary Route Preference is set to In Band. - The Active Management IP is set to In Band, and the Primary Route Preference is set to Out of Band.		
Raising condition: (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only'))) AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only'))) AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'Out Of Band'))		
Clearing condition: (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only'))) AND ('Primary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only'))) AND ('Primary Route Preference' EQUAL 'Out Of Band'))		
Remedial action: A configuration error has been made which must be corrected. The parameters described in the description for this alarm must match.		

Table 9-98 NewSsh2ServerKeyDetected

Alarm	Attributes	Applicable major NE releases
Name: NewSsh2ServerKeyDetected (285) Type: communicationsAlarm (4) Package: security Raised on class: security.KnownHostKey	Severity: warning Implicitly cleared: true Default probable cause: ssh2ServerKeyMismatch (217)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when a 5620 SAM main server detects a new public SSH key.		
Raising condition: ('SSH2 Server Key Status' EQUAL 'Mismatch SSH2 Host Key')		
Clearing condition: ('SSH2 Server Key Status' EQUAL 'Active SSH2 Host Key')		
Remedial action: Informational - possible security breach. The SSH key of the router is different from the one known to the SAM server.		

Table 9-99 NodeDatabaseFallbackDetected

Alarm	Attributes	Applicable major NE releases
Name: NodeDatabaseFallbackDetected (2923) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseFallback (1121)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when a configuration fallback is detected on the node and comes back up with a previous configuration. To correct this situation it might be necessary to reconfigure the node, or perform full resync its database with the 'fallback' configuration returned by the node.		
Raising condition: ('State' EQUAL 'Node Configuration Fallback')		
Clearing condition: ('State' EQUAL 'Managed')		
Remedial action: the NE has come back to a previous configuration. Perform a manual Full Resync or a Reconfigure of the NE		

Table 9-100 NodeDatabaseMisalignmentDetected

Alarm	Attributes	Applicable major NE releases
Name: NodeDatabaseMisalignmentDetected (2924) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseMisalignment (1122)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when a configuration misalignment has been detected on the node and comes back up with an unexpected configuration (configuration change triggered by external tool) To correct this situation it might be necessary to reconfigure the node with the 5620 SAM's old configuration or accept the new configuration received from the node.		
Raising condition: ('State' EQUAL 'Node Configuration Misalignment')		
Clearing condition: ('State' EQUAL 'Managed')		
Remedial action: the NE configuration is misaligned. Perform a resync in order to update SAM configuration according to the NE.		

Table 9-101 NodeRebooted

Alarm	Attributes	Applicable major NE releases
Name: NodeRebooted (32) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: false Default probable cause: nodeReboot (25)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the 5620 SAM detects an NE reboot based on the latest NE sysUpTime value.		
Remedial action: Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 9-102 NodeSuspended

Alarm	Attributes	Applicable major NE releases
Name: NodeSuspended (5123) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: NodeSuspend (2057)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the 5620 SAM detects an NE moved to suspend state as per user request.		
Raising condition: ('SNMP Reachability' EQUAL 'Suspended')		
Clearing condition: ('SNMP Reachability' NOT EQUAL 'Suspended')		
Remedial action: This alarm is raised when user suspends the network element. The alarm will be cleared when the network element is managed back.		

Table 9-103 NTPOperDown

Alarm	Attributes	Applicable major NE releases
Name: NTPOperDown (4879) Type: communicationsAlarm (4) Package: ntp Raised on class: ntp.NTP	Severity: info Implicitly cleared: true Default probable cause: NTPOperDown (1943)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is generated when the NTP Operational State is down for NTP.		
Raising condition: (('Operational State' EQUAL 'Down') AND ('NTP State' EQUAL 'Enabled'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('NTP State' EQUAL 'Disabled'))		
Remedial action: Please check if NTP is administratively enabled (Admin State in NTP General Tab). If admin state down, enable it to make NTP operationally up.		

Table 9-104 OrphanNodeDetected

Alarm	Attributes	Applicable major NE releases
Name: OrphanNodeDetected (4866) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.AdvertisedNode	Severity: major Implicitly cleared: true Default probable cause: nodeNotMangedByAnyEms (1934)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when node is node managed by any EMS after n retries(threshold crossed) it is manually cleared by the operator or when the node is discovered.		
Raising condition: ('state' EQUAL 'orphan')		
Remedial action: The NE is not managed by any SAM.Add an discory rule in order to managed it.		

Table 9-105 OverTemperatureDetected

Alarm	Attributes	Applicable major NE releases
Name: OverTemperatureDetected (388) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the chassis temperature exceeds the maximum threshold value.		
Raising condition: ('Over Temperature State' EQUAL 'Over')		
Clearing condition: ('Over Temperature State' NOT EQUAL 'Over')		
Remedial action: The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 9-106 PartialResyncProblem

Alarm	Attributes	Applicable major NE releases
Name: PartialResyncProblem (4401) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: partialResyncProblem (1578)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when an Partial Resync on an NE fails. For example, when resyncing only some MIB entries as opposed to a full resync. The periodic reachability test (sysUpTime) is not considered a partial resync, neither is a full resync. However, a PartialResyncProblem alarm can only be reset by a FullResync.		
Raising condition: ('partialResyncStatus' EQUAL 'Partial Resync Failed')		
Clearing condition: ('partialResyncStatus' EQUAL 'Partial Resync Done')		

(1 of 2)

9 — Alcatel-Lucent 7210 SAS T alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE.		

(2 of 2)

Table 9-107 PersistentIndexParametersMisconfigured

Alarm	Attributes	Applicable major NE releases
Name: PersistentIndexParametersMisconfigured (173) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: persistentIndexConfigurationMismatch (136)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when persistence is set to Off in the NE BOF.		
Raising condition: (('Persistent SNMP Indices' EQUAL 'False') OR (('hasRedundantProcessorCards' EQUAL 'true') AND ('Redundant Synchronization Mode' EQUAL 'None')))		
Clearing condition: (('Persistent SNMP Indices' EQUAL 'True') AND (('hasRedundantProcessorCards' EQUAL 'false') OR ('Redundant Synchronization Mode' NOT EQUAL 'None')))		
Remedial action: A configuration error has occurred that must be corrected. Use the CLI on the NE to enable persistency in the BOF. The discovery process will complete on the next discovery scan. A re-scan can be triggered immediately for the NE from within the discovery manager		

Table 9-108 PollerProblem

Alarm	Attributes	Applicable major NE releases
Name: PollerProblem (31) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: resyncFailed (24)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
Raising condition: ('Resync Status' EQUAL 'Full Resync Failed')		
Clearing condition: ('Resync Status' EQUAL 'Full Resync Done')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 9-109 PowerSupplyFailure

Alarm	Attributes	Applicable major NE releases
Name: PowerSupplyFailure (633) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: critical Implicitly cleared: true Default probable cause: powerSupplyFailure (117)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when a power-supply tray reports a failure. When the alarm is raised during device discovery, a power-supply tray may be out of service. When the alarm is raised while the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
Raising condition: (('Power Supply 1 Status' EQUAL 'Not Equipped') OR ('Power Supply 1 Status' EQUAL 'Failed'))		
Clearing condition: (('Power Supply 1 Status' EQUAL 'OK'))		
Remedial action: Ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 9-110 PowerSupplyInputFeedDown

Alarm	Attributes	Applicable major NE releases
Name: PowerSupplyInputFeedDown (5422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: minor Implicitly cleared: true Default probable cause: powerSupplyInputFeedDown (2073)	<ul style="list-style-type: none"> 6.0.0
Description: This alarm is generated if any one of the input feeds for a given power supply is not supplying power.		
Raising condition: (('Input Feed Status' EQUAL 'Input A Down') OR ('Input Feed Status' EQUAL 'Input B Down') OR (('Input Feed Status'allBits'Input A Down') AND ('Input Feed Status'allBits'Input B Down'))		
Clearing condition: ('Input Feed Status' EQUAL 'None')		
Remedial action: Restore all of the input feeds that are not supplying power.		

Table 9-111 PowerSupplyRemoved

Alarm	Attributes	Applicable major NE releases
Name: PowerSupplyRemoved (542) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: major Implicitly cleared: true Default probable cause: PowerSupplyRemoved (415)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when a chassis power supply is removed.		
Raising condition: ('Power Supply 1 Status' EQUAL 'Not Equipped')		
Clearing condition: ('Power Supply 1 Status' NOT EQUAL 'Not Equipped')		
Remedial action: To recover from this event, the customer is requested to add a new power supply to the system, or change a faulty power supply with a working one.		

Table 9-112 PrimaryImageBootFailure

Alarm	Attributes	Applicable major NE releases
Name: PrimaryImageBootFailure (191) Type: configurationAlarm (11) Package: sw Raised on class: sw.CardSoftware	Severity: warning Implicitly cleared: true Default probable cause: bootOptionFileMisconfigured (150)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the primary software image specified in an NE BOF is unusable.		
Raising condition: (('imageSource' NOT EQUAL 'Primary') AND ('imageSource' NOT EQUAL 'Unknown'))		
Clearing condition: (('imageSource' EQUAL 'Primary') OR ('imageSource' EQUAL 'Unknown'))		
Remedial action: The SW image on the NE may have been inadvertently corrupted. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

Table 9-113 PrimaryPathLimitReached

Alarm	Attributes	Applicable major NE releases
Name: PrimaryPathLimitReached (457) Type: resourceAlarm (28) Package: equipment Raised on class: equipment.DaughterCard	Severity: warning Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the Ingress Multicast Path Management primary path bandwidth limit is reached.		
Raising condition: (('Primary Path Limit Override' > '0') AND ('Primary Path In use' >= (1000 * 'Primary Path Limit Override'))"		
Clearing condition: (('Primary Path Limit Override' > '0') AND ('Primary Path In use' < (1000 * 'Primary Path Limit Override'))		
Remedial action: Informational - The alarm is raised when the Ingress Multicast Path Management primary path bandwidth limit is reached. This can be remedied by modifying the primary path limit located at T1 Paths tab of the multicast bandwidth policy which assigned to the card, or increase the primary path limit override located at the Daughter Card tab under Daughter Card Slot form.		

Table 9-114 PTPNotQualified

Alarm	Attributes	Applicable major NE releases
Name: PTPNotQualified (3611) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPNotQualified (1400)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when PTP on an NE is not in the Qualified state.		
Raising condition: (('Qualified For Use' EQUAL 'Not Qualified'))		
Clearing condition: (('Qualified For Use' NOT EQUAL 'Not Qualified'))		
Remedial action: Check the communication path is up between the local PTP slave clock and its selected master		

Table 9-115 PTPPeerLossOfAnnounce

Alarm	Attributes	Applicable major NE releases
Name: PTPPeerLossOfAnnounce (3608) Type: communicationsAlarm (4) Package: ptp Raised on class: ptp.IEEEPTPPeer	Severity: minor Implicitly cleared: true Default probable cause: PTPPeerLossOfAnnounce (1397)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the PTP peer is in the 'Packet Timing Signal Fail (Loss Announce)' state. This indicates that the PTP announce messages are not received from the remote master.		
Raising condition: (('Master GM Alarms'anyBit'Loss of Announce'))		
Clearing condition: NOT (((('Master GM Alarms'anyBit'Loss of Announce'))))		
Remedial action: Please check if Configured Peer IP address is reachable (ping <Peer Ip>) from the this SR node and PTP configuration is proper.		

Table 9-116 PTPPeerLossOfSync

Alarm	Attributes	Applicable major NE releases
Name: PTPPeerLossOfSync (3609) Type: communicationsAlarm (4) Package: ptp Raised on class: ptp.IEEEPTPPeer	Severity: minor Implicitly cleared: true Default probable cause: PTPPeerLossOfSync (1398)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the PTP peer is in the 'Packet Timing Signal Fail (Loss Sync)' state. This indicates that the PTP timing messages are not received from the remote master.		
Raising condition: (('Master GM Alarms'anyBit'Loss of Sync'))		
Clearing condition: NOT (((('Master GM Alarms'anyBit'Loss of Sync'))))		
Remedial action: Please check if Configured Peer IP address is reachable (ping <Peer Ip>) from the this SR node and PTP configuration is proper.		

Table 9-117 PTPReferenceLossOfSignal

Alarm	Attributes	Applicable major NE releases
Name: PTPReferenceLossOfSignal (3613) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPReferenceLossOfSignal (1402)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the PTP reference on an NE is not qualified due to Loss of Signal.		
Raising condition: (('Not Qualified Due To'anyBit'LOS'))		
Clearing condition: NOT (((('Not Qualified Due To'anyBit'LOS'))))		
Remedial action: Check the communication path is up between the local PTP slave clock and its selected master		

Table 9-118 PTPReferenceOutOfFrequency

Alarm	Attributes	Applicable major NE releases
Name: PTPReferenceOutOfFrequency (3614) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPReferenceOutOfFrequency (1403)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the PTP Reference on an NE is not qualified due to Out of frequency.		
Raising condition: (('Not Qualified Due To'anyBit'OOOF'))		
Clearing condition: NOT (('Not Qualified Due To'anyBit'OOF'))		
Remedial action: Make sure that fequency configured for Reference One is correct.		

Table 9-119 PTPReferenceOutOfPollInRange

Alarm	Attributes	Applicable major NE releases
Name: PTPReferenceOutOfPollInRange (3615) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPReferenceOutOfPollInRange (1404)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the PTP Reference on an NE is not qualified state due to Out of poll in range.		
Raising condition: (('Not Qualified Due To'anyBit'OOPIR'))		
Clearing condition: NOT (('Not Qualified Due To'anyBit'OOPIR'))		
Remedial action: If there is packet flow, the PTP slave clock is in it's initial acquiring states where the sync-if-timing reference does not qualify just wait.		

Table 9-120 RadiusOperStatusDown

Alarm	Attributes	Applicable major NE releases
Name: RadiusOperStatusDown (3692) Type: radiusOperStatusDownAlarm (105) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: radiusOperationStatusDown (1431)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when all RADIUS servers have gone down.		
Raising condition: ('Global RADIUS Operational State' EQUAL 'Down')		
Clearing condition: ('Global RADIUS Operational State' EQUAL 'Up')		
Remedial action: Verify the RADIUS server is properly configured and radius server state is up.Check the connectivity between SAM server and radius server configured on the Network element.		

Table 9-121 ReachabilityProblem

Alarm	Attributes	Applicable major NE releases
Name: ReachabilityProblem (243) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ReachabilityTestFailed (176)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when an Mediation poll of the SysUpTimeAlarm object on an NE fails, for example, because of network congestion or because the NE is too busy to respond. The probable cause is an unreachable NE Mediation agent on the NE. By default, the 5620 SAM polls a managed NE every two minutes. If a poll fails, the alarm is raised. The 5620 SAM polls the NE two minutes after the first failure. If successive polls fail, the 5620 SAM raises the polling interval for the NE by two minutes after each failure to a maximum of 12 min. The polling interval remains at 12 min until the 5620 SAM receives a response from the NE. The alarm clears when the 5620 SAM receives a response from the NE, and the 5620 SAM GUI icon that represents the NE turns from red to green.		
Raising condition: ('SNMP Reachability' EQUAL 'Down')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 9-122 ReconfigFailure

Alarm	Attributes	Applicable major NE releases
Name: ReconfigFailure (1949) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: failedReconfig (937)	<ul style="list-style-type: none"> 6.0.0
Description: This alarm is raised when the reconfig action failed.		
Raising condition: ('State' EQUAL 'Failed')		
Clearing condition: ('State' NOT EQUAL 'Failed')		
Remedial action: Verify that the object is configured as expected.		

Table 9-123 RedundantMepMisconfiguration

Alarm	Attributes	Applicable major NE releases
Name: RedundantMepMisconfiguration (3631) Type: oamAlarm (18) Package: ethernetOam Raised on class: ethernetOam.Mep	Severity: minor Implicitly cleared: true Default probable cause: misconfiguredRedundantMep (1416)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when an Active and Redundant MEP do not have the same Id, Operational MAC Address or Sub Group configured.		
Raising condition: ('validRedundantMepConfig' EQUAL 'false')		

(1 of 2)

9 — Alcatel-Lucent 7210 SAS T alarms

Alarm	Attributes	Applicable major NE releases
Clearing condition: ('validRedundantMepConfig' EQUAL 'true')		
Remedial action: MC-LAG redundant MEP configuration (MEP ID or Mac Address) for Active & Standby Interfaces do not match, this could cause issues with CFM or CCM tests if Active interface changes. Delete and Re-create Standby MEP to match Active.		

(2 of 2)

Table 9-124 RedundantMepMissing

Alarm	Attributes	Applicable major NE releases
Name: RedundantMepMissing (3632) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: minor Implicitly cleared: true Default probable cause: missingRedundantMep (1417)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when a MEP misses a redundant counterpart on LAG or SAP.		
Raising condition: (('MC-LAG Inactive' NOT EQUAL 'Not Applicable') AND ('Redundant MEP' EQUAL '\'))		
Clearing condition: (('MC-LAG Inactive' EQUAL 'Not Applicable') OR (('MC-LAG Inactive' NOT EQUAL 'Not Applicable') AND ('Redundant MEP' NOT EQUAL '\')))		
Remedial action: MC-LAG redundant MEP is missing Active & Standby Interfaces, this will cause issues with CFM or CCM tests if Active interface changes. Create missing Active/Standby MEP to match existing.		

Table 9-125 RemoteMepCCMAAlarm

Alarm	Attributes	Applicable major NE releases
Name: RemoteMepCCMAAlarm (502) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: major Implicitly cleared: true Default probable cause: missingRemoteMep (388)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when a MEP loses connectivity with one or more remote MEPs. The Remote MEP DB State tab on a MEP lists the missing remote MEPs.		
Raising condition: ('High-Priority Defect' NOT EQUAL '0')		
Clearing condition: ('High-Priority Defect' EQUAL '0')		
Remedial action: MEP has lost communication with Remote MEP defined in Maintenance Association (MEG) Remote MEP list, Either Remote MEP list is incorrect or diagnose connection fault and resolve.		

Table 9-126 SaveConfigFailed

Alarm	Attributes	Applicable major NE releases
Name: SaveConfigFailed (105) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileAccessError (90)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the admin save command on an NE fails.		
Raising condition: ('Config Save State' EQUAL 'Failure')		
Clearing condition: ('Config Save State' EQUAL 'Success')		
Remedial action: Attempt the admin save command a second time. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 9-127 ScheduledPollerProblem

Alarm	Attributes	Applicable major NE releases
Name: ScheduledPollerProblem (4386) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: scheduledResyncFailed (1569)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
Raising condition: ('Scheduled Resync Status' EQUAL 'Scheduled Resync Failed')		
Clearing condition: ('Scheduled Resync Status' EQUAL 'Scheduled Resync Done')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 9-128 SecondaryPathLimitReached

Alarm	Attributes	Applicable major NE releases
Name: SecondaryPathLimitReached (458) Type: resourceAlarm (28) Package: equipment Raised on class: equipment.DaughterCard	Severity: warning Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the Ingress Multicast Path Management secondary path bandwidth limit is reached.		
Raising condition: (('Secondary Path Limit Override' > '0') AND ('Secondary Path In use' >= (1000 * 'Secondary Path Limit Override'))"		
Clearing condition: (('Secondary Path Limit Override' > '0') AND ('Secondary Path In use' < (1000 * 'Secondary Path Limit Override'))"		

(1 of 2)

9 — Alcatel-Lucent 7210 SAS T alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: Informational - The alarm is raised when the Ingress Multicast Path Management secondary path bandwidth limit is reached. This can be remedied by modifying the secondary path limit located at T1 Paths tab of the multicast bandwidth policy which assigned to the card, or increase the secondary path limit override located at the Daughter Card tab under Daughter Card Slot form.		

(2 of 2)

Table 9-129 ServiceSiteDown

Alarm	Attributes	Applicable major NE releases
Name: ServiceSiteDown (97) Type: serviceAlarm (16) Package: service Raised on class: service.Site	Severity: critical Implicitly cleared: true Default probable cause: siteDown (83)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when all SAPs on a site are operationally down, or when the service tunnels for the site are operationally down.		
Raising condition: (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'All Spoke SDP Bindings are Standby'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'All Spoke SDP Bindings are Standby'))		
Remedial action: The network resources (i.e. physical ports for SAPs, or physical ports/LSP) associated with the service site should be examined to determine if/why they are operationally down. The underlying transport network supporting the site may also be unreliable.		

Table 9-130 StatsRetrieveFailed

Alarm	Attributes	Applicable major NE releases
Name: StatsRetrieveFailed (244) Type: configurationAlarm (11) Package: sw Raised on class: sw.AccountingStatsRetrievalManager	Severity: major Implicitly cleared: false Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the 5620 SAM main or auxiliary server cannot transfer an accounting file from an NE.		
Raising condition: (('Stats Retrieval State' NOT EQUAL 'Success') AND ('Stats Retrieval State' NOT EQUAL 'Not Attempted'))		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy or otherwise cannot respond to the 5620 SAM main or auxiliary server.		

Table 9-131 StpExceptionCondition

Alarm	Attributes	Applicable major NE releases
Name: StpExceptionCondition (297) Type: AccessInterfaceAlarm (32) Package: I2fwd Raised on class: I2fwd.AccessInterfaceStp	Severity: major Implicitly cleared: true Default probable cause: StpException (228)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when a SAP detects an STP exception condition, for example, one-way communication or a downstream loop. The alarm clears when the STP condition changes.		
Raising condition: (('STP Exception Condition' NOT EQUAL 'None') AND ('Administrative State' EQUAL 'Up'))		
Clearing condition: (('STP Exception Condition' EQUAL 'None') OR ('Administrative State' EQUAL 'Down'))		
Remedial action: Check 'STP Exception Condition' field for more details and fix the STP exception.		

Table 9-132 StpRootGuardViolation

Alarm	Attributes	Applicable major NE releases
Name: StpRootGuardViolation (503) Type: AccessInterfaceAlarm (32) Package: I2fwd Raised on class: I2fwd.AccessInterfaceStp	Severity: warning Implicitly cleared: true Default probable cause: spanningTreeTopologyChanged (331)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when a SAP detects an STP root guard violation.		
Raising condition: ('Root Guard Violation' EQUAL 'true')		
Clearing condition: ('Root Guard Violation' NOT EQUAL 'true')		
Remedial action: Set 'Root Guard' to false if not necessary.		

Table 9-133 SubscriberSystemNextHopUsageHigh

Alarm	Attributes	Applicable major NE releases
Name: SubscriberSystemNextHopUsageHigh (5157) Type: thresholdCrossed (6) Package: netw Raised on class: netw.NetworkElement	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit.		
Raising condition: ('IP Next Hop Usage High' EQUAL 'true')		
Clearing condition: ('IP Next Hop Usage High' EQUAL 'false')		

(1 of 2)

9 — Alcatel-Lucent 7210 SAS T alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit. There is no immediate effect, but when the usage actually hits the limit, new hosts will not get their managed routes.		

(2 of 2)

Table 9-134 TemperatureThresholdCrossed

Alarm	Attributes	Applicable major NE releases
Name: TemperatureThresholdCrossed (7) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Environment	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when a temperature crosses a threshold.		
Raising condition: ('temperatureThresholdCrossed' EQUAL 'true')		
Clearing condition: ('temperatureThresholdCrossed' EQUAL 'false')		
Remedial action: The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 9-135 TmnxEqPortEtherLoopDetected

Alarm	Attributes	Applicable major NE releases
Name: TmnxEqPortEtherLoopDetected (461) Type: portEtherLoopDetected (48) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when a device detects a physical loop on an Ethernet port.		
Raising condition: (('Down When Looped Status' EQUAL 'Loop Detected'))		
Clearing condition: (('Down When Looped Status' EQUAL 'No Loop Detected'))		
Remedial action: An Ethernet port has been mis-cabled - please remove the loopback cable on the port.		

Table 9-136 TrapDestinationMisconfigured

Alarm	Attributes	Applicable major NE releases
Name: TrapDestinationMisconfigured (33) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: trapDestinationMisconfigured (26) Applicable probable causes: <ul style="list-style-type: none"> trapDestinationMisconfigured duplicateTrapLogId 	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the 5620 SAM cannot be added to the NE's SNMP trap destinations.		
Raising condition: ('isTrapDestinationMisconfigured' EQUAL 'true')		
Clearing condition: ('isTrapDestinationMisconfigured' EQUAL 'false')		
Remedial action: A configuration error has been made which must be corrected. The SNMP trap destination on the NE must be configured to the IP address of the SAM server.		

Table 9-137 TrapReceivingFailure

Alarm	Attributes	Applicable major NE releases
Name: TrapReceivingFailure (1083) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: false Default probable cause: trapsWillNotBeSent (822)	<ul style="list-style-type: none"> 6.0.0
Description: This user-defined alarm is raised when the NE is unable to send traps because the NE configuration is one of the following: - The Management IP Selection is set to Out Of Band Only, the Primary Route Preference is set to In Band, and the Secondary Route Preference is set to None. - The Management IP Selection is set to In Band Only, the Primary Route Preference is set to Out Of Band, and the Secondary Route Preference is set to None.		
Raising condition: (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
Clearing condition: (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND (('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND (('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND (('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND (('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND (('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band'))))		
Remedial action: A configuration error has been made which must be corrected. The configuration error must be corrected per the discussion in the description for this alarm.		

Table 9-138 TrapRoutePreferenceRedundancyMissing

Alarm	Attributes	Applicable major NE releases
Name: TrapRoutePreferenceRedundancyMissing (1084) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: trapsRedundancyMissing (823)	<ul style="list-style-type: none"> 6.0.0
Description: The user-defined alarm is raised when NE management redundancy is configured without trap route preference redundancy.		
Raising condition: (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
Clearing condition: (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Secondary Route Preference' NOT EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Secondary Route Preference' NOT EQUAL 'None'))))		
Remedial action: A configuration error has been made which must be corrected. The IP address of the standby SAM server must be configured on the NE in question.		

Table 9-139 UnidentifiedNode

Alarm	Attributes	Applicable major NE releases
Name: UnidentifiedNode (1922) Type: communicationsAlarm (4) Package: netw Raised on class: netw.DiscoveredNode	Severity: major Implicitly cleared: true Default probable cause: unidentifiedNode (922)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the node being discovered can not be properly identified.		
Raising condition: ('State' EQUAL 'Pending Identification')		
Clearing condition: ('State' NOT EQUAL 'Pending Identification')		
Remedial action: A configuration error has occurred that must be corrected. The eNodeB does not have a system name. The name can be configured by selecting the alarm, opening the associated properties form for the alarmed object and configuring the system name.		

Table 9-140 UnmanageFailed

Alarm	Attributes	Applicable major NE releases
Name: UnmanageFailed (300) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.NodeDiscoveryControl	Severity: warning Implicitly cleared: true Default probable cause: unableToDeleteNode (231)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when an attempt to unmanage an NE fails.		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Raising condition: ('Site State' EQUAL 'unmanage failed')		
Clearing condition: ('Site State' NOT EQUAL 'unmanage failed')		
Remedial action: Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

(2 of 2)

Table 9-141 unsupportedPortUsage

Alarm	Attributes	Applicable major NE releases
Name: unsupportedPortUsage (5184) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: warning Implicitly cleared: true Default probable cause: incompatiblePortUsage (2100)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised in case unsupported port type is configured		
Raising condition: (('portId' >= '1L') AND ('portId' <= '4L') AND ('specificCardType' EQUAL 'EASv2') AND (('Port Usage' EQUAL 'MPT-HC') OR ('Port Usage' EQUAL 'MPT-MC')))"		
Clearing condition: NOT (((('portId' >= '1L') AND ('portId' <= '4L') AND ('specificCardType' EQUAL 'EASv2') AND (('Port Usage' EQUAL 'MPT-HC') OR ('Port Usage' EQUAL 'MPT-MC')))))"		
Remedial action: This alarm indicates unsupported port usage. Port usage configured on the NE is not supported by SAM.		

Table 9-142 UpgradedBuildVersionMismatch

Alarm	Attributes	Applicable major NE releases
Name: UpgradedBuildVersionMismatch (174) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: upgradedImageNotBooted (137)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the software version that an NE reports after a software upgrade does not match the version of the software used for the upgrade.		
Raising condition: ('upgradedBuildVersionMismatch' EQUAL 'true')		
Clearing condition: ('upgradedBuildVersionMismatch' EQUAL 'false')		
Remedial action: Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 9-143 upgradedCardAlarm

Alarm	Attributes	Applicable major NE releases
Name: upgradedCardAlarm (255) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: upgradedCard (194)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the standby CPM is rebooted and operational after a software upgrade. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
Raising condition: ('operationalState' EQUAL 'Upgrade')		
Clearing condition: ('operationalState' EQUAL 'Up')		
Remedial action: Informational - no corrective action required.		

Table 9-144 VersionConfigRestoreFailed

Alarm	Attributes	Applicable major NE releases
Name: VersionConfigRestoreFailed (536) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: versionMismatch (405)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the restore procedure on an NE fails because of a mismatch between the backup file set version and the NE software version.		
Raising condition: ('lastNmsVersionRestoreState' EQUAL 'Failure')		
Clearing condition: ('lastNmsVersionRestoreState' EQUAL 'Success')		
Remedial action: The backup files being restored do not match with the version of node software release. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

Table 9-145 WrongCpaaSoftwareVersion

Alarm	Attributes	Applicable major NE releases
Name: WrongCpaaSoftwareVersion (791) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: wrongCpaaSoftwareVersion (559)	<ul style="list-style-type: none"> 6.0.0
Description: The alarm is raised when the 7701 CPAA software is the wrong version and requires an upgrade.		
Raising condition: (('Software Version' EQUAL "\"TIMOS-B-3.0.Generic \") AND ('Chassis Type' EQUAL '7701 CPAA'))		
Clearing condition: (('Software Version' NOT EQUAL "\"TIMOS-B-3.0.Generic \") AND ('Chassis Type' EQUAL '7701 CPAA'))		
Remedial action: The SW version of the CPAA must be upgraded to the version compatible with CPAM version.		

Table 9-146 XplError

Alarm	Attributes	Applicable major NE releases
Name: XplError (573) Type: hardwareAnomaly (55) Package: equipment Raised on class: equipment.DaughterCard	Severity: minor Implicitly cleared: true Default probable cause: xplError (443)	<ul style="list-style-type: none">6.0.0
Description: The alarm is raised when an MDA reports persistent XPL Errors.		
Raising condition: ('Number Of Notifications' NOT EQUAL '0')		
Clearing condition: ('Number Of Notifications' EQUAL '0')		
Remedial action: Informational - if the condition persists then the MDA indicated in the alarm should be replaced.		

10 — Alcatel-Lucent 7210 SAS X alarms



Note — Some alarms that the 5620 SAM can raise against this device may not be listed in this chapter. Associating alarms with specific NE types is an ongoing Alcatel-Lucent effort. If the 5620 SAM raises an alarm against this device type, and the alarm is not described in this chapter, see chapter 35 for information about the alarm.

Table 10-1 AccessInterfaceDown

Alarm	Attributes	Applicable major NE releases
Name: AccessInterfaceDown (249) Type: AccessInterfaceAlarm (32) Package: service Raised on class: service.AccessInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when an L2 or L3 interface operational state is Down. The alarm is not raised against an L2 access interface that is associated with an MC ring or MC LAG in the standby state.		
Raising condition: (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'Standby For MC-Ring') AND ('State Cause' NOT EQUAL 'Standby For MC-Lag') AND ('State Cause' NOT EQUAL 'Standby For BGP Multi-homing'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'Standby For MC-Ring') OR ('State Cause' EQUAL 'Standby For MC-Lag') OR ('State Cause' EQUAL 'Standby For BGP Multi-homing'))		
Remedial action: The condition exists because the physical interface is down either because it is administratively disabled, faulty or a cabling fault has occurred. Ensure that the interface is administratively up. Check for a poor cable connection to the port or for a faulty cable/fiber. If neither appears to be the problem run diagnostics on the port to determine if it is faulty.		

Table 10-2 ActiveAbnormalCondition

Alarm	Attributes	Applicable major NE releases
Name: ActiveAbnormalCondition (3938) Type: activeAbnormalConditionAlarm (116) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ActiveAbnormalConditionState (1520)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is an indication for abnormal condition on NE.		
Raising condition: ('abnormalCondition' EQUAL 'true')		
Clearing condition: ('abnormalCondition' EQUAL 'false')		
Remedial action: This alarm is raised when there is a abnormal state indication on NE.		

Table 10-3 AGWDiameterPeerDown

Alarm	Attributes	Applicable major NE releases
Name: AGWDiameterPeerDown (844) Type: EpcAlarm (59) Package: lte Raised on class: lte.AGWDiameterPeer	Severity: variable Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the path management state of a Diameter peer changes to a state other than Up.		
Raising condition: ('Path Diameter Management State' NOT EQUAL 'Active')		
Clearing condition: ('Path Diameter Management State' EQUAL 'Active')		
Remedial action: A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

Table 10-4 AncillaryPathLimitReached

Alarm	Attributes	Applicable major NE releases
Name: AncillaryPathLimitReached (459) Type: resourceAlarm (28) Package: equipment Raised on class: equipment.DaughterCard	Severity: warning Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the Ingress Multicast Path Management ancillary path bandwidth limit is reached.		
Raising condition: (('Ancillary Path Limit Override' > '0') AND ('Ancillary Path In use' >= (1000 * 'Ancillary Path Limit Override'))"		
Clearing condition: (('Ancillary Path Limit Override' > '0') AND ('Ancillary Path In use' < (1000 * 'Ancillary Path Limit Override'))"		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: Informational - The alarm is raised when the Ingress Multicast Path Management ancillary path bandwidth limit is reached. This can be remedied by modifying the ancillary path limit located at T1 Paths tab of the multicast bandwidth policy which assigned to the card, or increase the ancillary path limit override located at the Daughter Card tab under Daughter Card Slot form.		

(2 of 2)

Table 10-5 AreaTypeMismatch

Alarm	Attributes	Applicable major NE releases
Name: AreaTypeMismatch (38) Type: configurationAlarm (11) Package: ospf Raised on class: ospf.Area	Severity: warning Implicitly cleared: true Default probable cause: areaTypeMisconfigured (34)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when an OSPF area on one NE is configured as an NSSA and the same OSPF area on another NE is configured as a stub area.		
Raising condition: ('Type Mismatch' EQUAL 'true')		
Clearing condition: ('Type Mismatch' EQUAL 'false')		
Remedial action: A configuration error has been made which must be corrected. The OSPF area type configured for the NE does not match with the same OSPF area configured on another NE. Compare the configuration on the endpoint and correct the mismatch.		

Table 10-6 AsymmetricalConfig (multichassis)

Alarm	Attributes	Applicable major NE releases
Name: AsymmetricalConfig (295) Type: configurationAlarm (11) Package: multichassis Raised on classes: <ul style="list-style-type: none"> • multichassis.AbstractMultiChassisLag • multichassis.MultiChassisLagMember • multichassis.AbstractMultiChassisPeer 	Severity: major Implicitly cleared: true Default probable cause: asymmetricalConfig (226)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when there is a peer configuration mismatch that prevents MC operation.		
Raising condition: ('Config Mismatches' NOT EQUAL '0L')		
Clearing condition: ('Config Mismatches' EQUAL '0L')		
Remedial action: Check configurations on both members to see anything not matched.		

Table 10-7 AuthKeyConflict (rsvp)

Alarm	Attributes	Applicable major NE releases
Name: AuthKeyConflict (5188) Type: processingErrorAlarm (81) Package: rsvp Raised on class: rsvp.AuthenticationKey	Severity: warning Implicitly cleared: true Default probable cause: AuthKeyConflict (2103)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when both Authentication Key and RSVP Keychain are configured. RSVP Keychain will be used.		
Raising condition: (('RSVP Keychain' NOT EQUAL '\\"') AND ('enableAuthentication' EQUAL 'true'))		
Clearing condition: (('RSVP Keychain' EQUAL '\\"') OR ('enableAuthentication' NOT EQUAL 'true'))		
Remedial action: Authentication Key and RSVP Keychain are both configured. RSVP Keychain will be used. The alarm is cleared when only one is configured.		

Table 10-8 AuxiliaryServerStatus

Alarm	Attributes	Applicable major NE releases
Name: AuxiliaryServerStatus (311) Type: communicationsAlarm (4) Package: server Raised on class: server.AuxiliaryServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a 5620 SAM main server cannot communicate with an auxiliary server. The alarm clears when communication is restored.		
Raising condition: ('Server Status' EQUAL 'Down')		
Clearing condition: ('Server Status' EQUAL 'Up')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the AUX and SAM servers is unreliable.		

Table 10-9 BfdInterfaceConnectionBroken

Alarm	Attributes	Applicable major NE releases
Name: BfdInterfaceConnectionBroken (3329) Type: serviceAlarm (16) Package: vrrp Raised on class: vrrp.BfdInterface	Severity: minor Implicitly cleared: true Default probable cause: bfdSessionConnectionBroken (593)	<ul style="list-style-type: none"> • 5.0.0 • 6.0.0
Description: The alarm is raised when the BFD connection to a peer times out.		
Raising condition: ('Operational State' EQUAL 'Timed Out')		
Clearing condition: ('Operational State' NOT EQUAL 'Timed Out')		
Remedial action: Check the peer router, fix the BFD connection		

Table 10-10 BfdInterfaceConnectionDown

Alarm	Attributes	Applicable major NE releases
Name: BfdInterfaceConnectionDown (3330) Type: serviceAlarm (16) Package: vrrp Raised on class: vrrp.BfdInterface	Severity: minor Implicitly cleared: true Default probable cause: bfdSessionDown (346)	<ul style="list-style-type: none"> 5.0.0 6.0.0
Description: The alarm is raised when the Operational State of a BFD session is Not Connected.		
Raising condition: ('Operational State' NOT EQUAL 'Operational')		
Clearing condition: ('Operational State' EQUAL 'Operational')		
Remedial action: Check the BFD interface configuration, fix the BFD connection		

Table 10-11 BfdInterfaceConnectionPeerDetectsDown

Alarm	Attributes	Applicable major NE releases
Name: BfdInterfaceConnectionPeerDetectsDown (3331) Type: serviceAlarm (16) Package: vrrp Raised on class: vrrp.BfdInterface	Severity: minor Implicitly cleared: true Default probable cause: bfdSessionConnectionPeerDetectsDown (594)	<ul style="list-style-type: none"> 5.0.0 6.0.0
Description: The alarm is raised when a BFD peer detects a connection timeout.		
Raising condition: ('Operational State' EQUAL 'Down')		
Clearing condition: ('Operational State' NOT EQUAL 'Down')		
Remedial action: Fix the BFD connection		

Table 10-12 BgpDown

Alarm	Attributes	Applicable major NE releases
Name: BgpDown (6) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> 4.0.0 5.0.0 6.0.0
Description: The alarm is raised when a BGP instance has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: The BGP protocol entity is down - administratively disable BGP and re-enable. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 10-13 BITS2NotQualified

Alarm	Attributes	Applicable major NE releases
Name: BITS2NotQualified (1941) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: timingReferenceNotQualified (418)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the BITS-2 timing reference on an NE is not in the Qualified state.		
Raising condition: (('Qualified For Use' EQUAL 'Not Qualified') AND ('Input Administrative State' NOT EQUAL 'Down'))		
Clearing condition: (('Qualified For Use' NOT EQUAL 'Not Qualified') OR ('Input Administrative State' EQUAL 'Down'))		
Remedial action: Make sure that BITS2 is qualified		

Table 10-14 BITSNotQualified

Alarm	Attributes	Applicable major NE releases
Name: BITSNotQualified (547) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: timingReferenceNotQualified (418)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the BITS timing reference on an NE is not in the Qualified state.		
Raising condition: (('Qualified For Use' EQUAL 'Not Qualified') AND ('Output Administrative State' NOT EQUAL 'Down'))		
Clearing condition: (('Qualified For Use' NOT EQUAL 'Not Qualified') OR ('Output Administrative State' EQUAL 'Down'))		
Remedial action: Make sure that BITS is qualified		

Table 10-15 BITSReferenceLossOfSignal

Alarm	Attributes	Applicable major NE releases
Name: BITSReferenceLossOfSignal (1950) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: BITSReferenceLossOfSignal (938)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the BITS reference on an NE is not qualified due to Loss of Signal.		
Raising condition: (('Not Qualified Due To'anyBit'LOS'))		
Clearing condition: NOT (((('Not Qualified Due To'anyBit'LOS'))))		
Remedial action: Make sure that peer connected to BITS is properly configured.		

Table 10-16 BITSReferenceOutOfFrequency

Alarm	Attributes	Applicable major NE releases
Name: BITSReferenceOutOfFrequency (1951) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: BITSReferenceOutOfFrequency (939)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the BITS Reference on an NE is not qualified due to Out of frequency.		
Raising condition: (('Not Qualified Due To'anyBit'OOF'))		
Clearing condition: NOT (('Not Qualified Due To'anyBit'OOF'))		
Remedial action: Make sure that frequency configured for BITS is correct.		

Table 10-17 BITSReferenceOutOfPollInRange

Alarm	Attributes	Applicable major NE releases
Name: BITSReferenceOutOfPollInRange (1952) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: BITSReferenceOutOfPollInRange (940)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the BITS Reference on an NE is not qualified state due to Out of poll in range.		
Raising condition: (('Not Qualified Due To'anyBit'OOPIR'))		
Clearing condition: NOT (('Not Qualified Due To'anyBit'OOPIR'))		
Remedial action: Check the BITS is configured correctly. Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary		

Table 10-18 BootableConfigBackupFailed

Alarm	Attributes	Applicable major NE releases
Name: BootableConfigBackupFailed (103) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the 5620 SAM fails to back up a set of NE configuration files.		
Raising condition: ('Backup State' EQUAL 'Failure')		
Clearing condition: ('Backup State' EQUAL 'Success')		
Remedial action: Investigation is required to resolve the following possible scenarios: insufficient disk space is available to accommodate the NE configuration files (additional SAM platform alarms will accompany this alarm); the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

Table 10-19 BootableConfigRestoreFailed

Alarm	Attributes	Applicable major NE releases
Name: BootableConfigRestoreFailed (104) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the 5620 SAM fails to restore a set of NE configuration files.		
Raising condition: ('Restore State' EQUAL 'Failure')		
Clearing condition: ('Restore State' EQUAL 'Success')		
Remedial action: Investigation is required to resolve the following possible scenarios: the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

Table 10-20 BootParametersMisconfigured

Alarm	Attributes	Applicable major NE releases
Name: BootParametersMisconfigured (35) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: persistentIndexFailure (30) Applicable probable causes: <ul style="list-style-type: none"> • persistentIndexFailure • configFileBootFailure 	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the SNMP Index Boot Status on an NE is not set to Persistent.		
Raising condition: (('isGenericNode' EQUAL 'false') AND ('State' NOT EQUAL 'Pre-provisioned') AND (('Config File Status' NOT EQUAL 'Executed Successfully') OR ('Persistent Index Status' NOT EQUAL 'Rebuild Succeeded')))		
Clearing condition: (('Config File Status' EQUAL 'Executed Successfully') AND ('Persistent Index Status' EQUAL 'Rebuild Succeeded'))		
Remedial action: Ensure that "SNMP Index Boot Status" is persistent (using cli command "show system information" on the NE). If not, unmanage the network element from SAM, ensure that "persist on" is set in the bof file, save the bof, save a config file, verify that an index file (.ndx) is saved as well, reboot the router, verify that SNMP Index Boot Status is persistent and finally remanage the router from SAM.		

Table 10-21 CircuitStpExceptionCondition

Alarm	Attributes	Applicable major NE releases
Name: CircuitStpExceptionCondition (648) Type: SdpBindingAlarm (30) Package: l2fwd Raised on class: l2fwd.CircuitStp	Severity: major Implicitly cleared: true Default probable cause: StpException (228)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when an NE detects an STP exception condition on a SAP, for example, one-way communication or a downstream loop. The alarm clears when the STP status changes.		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Raising condition: (('STP Exception Condition' NOT EQUAL 'None') AND ('Administrative State' EQUAL 'Up'))		
Clearing condition: (('STP Exception Condition' EQUAL 'None') OR ('Administrative State' EQUAL 'Down'))		
Remedial action: Check 'STP Exception Condition' field for more details and fix the STP exception.		

(2 of 2)

Table 10-22 ClientDelegateServerStatus

Alarm	Attributes	Applicable major NE releases
Name: ClientDelegateServerStatus (731) Type: communicationsAlarm (4) Package: server Raised on class: server.ClientDelegateServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a client delegate server is unreachable.		
Raising condition: ('Server Status' EQUAL 'Down')		
Clearing condition: ('Server Status' EQUAL 'Up')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the client delegate platform and SAM servers is unreliable or the client delegate server itself is unreliable.		

Table 10-23 ContainingEquipmentAdministrativelyDown

Alarm	Attributes	Applicable major NE releases
Name: ContainingEquipmentAdministrativelyDown (466) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: minor Implicitly cleared: true Default probable cause: containingEquipmentAdministrativelyDown (330)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentAdministrativelyDown.		
Raising condition: (('Status' EQUAL 'Parent Admin Down') AND ('isTerminatable' EQUAL 'true'))		
Clearing condition: (('Status' NOT EQUAL 'Parent Admin Down') OR ('isTerminatable' NOT EQUAL 'true'))		
Remedial action: Informational - no corrective action required.		

Table 10-24 ContainingEquipmentMismatch

Alarm	Attributes	Applicable major NE releases
Name: ContainingEquipmentMismatch (464) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentMismatch (328)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentMismatch.		
Raising condition: (('Status' EQUAL 'Parent Type Mismatch') AND ('isTerminatable' EQUAL 'true'))		
Clearing condition: (('Status' NOT EQUAL 'Parent Type Mismatch') OR ('isTerminatable' NOT EQUAL 'true'))		
Remedial action: A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

Table 10-25 ContainingEquipmentOperationallyDown

Alarm	Attributes	Applicable major NE releases
Name: ContainingEquipmentOperationallyDown (465) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentDown (329)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentOperationallyDown.		
Raising condition: (('Status' EQUAL 'Parent Oper Down') AND ('isTerminatable' EQUAL 'true'))		
Clearing condition: (('Status' NOT EQUAL 'Parent Oper Down') OR ('isTerminatable' NOT EQUAL 'true'))		
Remedial action: The operational state of the equipment element indicated in the alarm is down. This may be due to the element's administrative state or it may indicate that the element has failed.		

Table 10-26 CorruptImageFile

Alarm	Attributes	Applicable major NE releases
Name: CorruptImageFile (171) Type: configurationAlarm (11) Package: mediation Raised on class: mediation.AbstractSoftwareFolderDescriptor	Severity: critical Implicitly cleared: true Default probable cause: invalidOrCorruptImageFile (134)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when one or more files in the 5620 SAM software image specified for a device software upgrade is invalid, corrupt or absent. The 5620 SAM validates a device software file set before it imports the file set and distributes it to an NE. Ensure that the file set downloads properly to the NE and is not tampered with before you re-attempt the upgrade. The alarm clears when a valid file set is on the NE and the 5620 SAM activates the software image in the file set.		
Raising condition: ('isImageValid' EQUAL 'false')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: ('isImageValid' EQUAL 'true')		
Remedial action: The existing SW image in the SAM database should be replaced with an image that is known to be complete and valid.		

(2 of 2)

Table 10-27 DDMAux1HighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMAux1HighAlarm (495) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: aux1HighAlarm (381)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the manufacturer-specific Auxiliary 1 of the XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux1 High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux1 High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 10-28 DDMAux1HighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMAux1HighWarning (494) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: aux1HighWarning (380)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the manufacturer-specific Auxiliary 1 of the XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux1 High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux1 High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 10-29 DDMAux1LowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMAux1LowAlarm (493) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: aux1LowAlarm (379)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0

(1 of 2)

10 – Alcatel-Lucent 7210 SAS X alarms

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when the manufacturer-specific Auxiliary 1 of the XFP reaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux1 Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux1 Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

(2 of 2)

Table 10-30 DDMAux1LowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMAux1LowWarning (492) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: aux1LowWarning (378)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the manufacturer-specific Auxiliary 1 of the XFP approaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux1 Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux1 Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 10-31 DDMAux2HighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMAux2HighAlarm (499) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: aux2HighAlarm (385)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the manufacturer-specific Auxiliary 2 of the XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux2 High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux2 High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 10-32 DDMAux2HighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMAux2HighWarning (498) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: aux2HighWarning (384)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the manufacturer-specific Auxiliary 2 of the XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux2 High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux2 High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 10-33 DDMAux2LowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMAux2LowAlarm (497) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: aux2LowAlarm (383)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the manufacturer-specific Auxiliary 2 of the XFP reaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux2 Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux2 Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 10-34 DDMAux2LowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMAux2LowWarning (496) Type: communicationthresholdAlarmnsAlarm (50) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: aux2LowWarning (382)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the manufacturer-specific Auxiliary 2 of the XFP approaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux2 Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux2 Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 10-35 DDMRxOpticalPowerHighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMRxOpticalPowerHighAlarm (491) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: rxOpticalPowerHighAlarm (377)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the received optical power of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Rx Optical Power High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Rx Optical Power High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 10-36 DDMRxOpticalPowerHighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMRxOpticalPowerHighWarning (490) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: rxOpticalPowerHighWarning (376)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the received optical power of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Rx Optical Power High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Rx Optical Power High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 10-37 DDMRxOpticalPowerLowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMRxOpticalPowerLowAlarm (489) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: rxOpticalPowerLowAlarm (375)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the received optical power of an SFP or XFP reaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBit'Rx Optical Power Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Rx Optical Power Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 10-38 DDMRxOpticalPowerLowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMRxOpticalPowerLowWarning (488) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: rxOpticalPowerLowWarning (374)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the received optical power of an SFP or XFP approaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBitRx Optical Power Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBitRx Optical Power Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 10-39 DDMSupplyVoltageHighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMSupplyVoltageHighAlarm (479) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: supplyVoltageHighAlarm (365)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the supply voltage of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBitSupply Voltage High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBitSupply Voltage High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 10-40 DDMSupplyVoltageHighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMSupplyVoltageHighWarning (478) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: supplyVoltageHighWarning (364)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the supply voltage of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBitSupply Voltage High Warning')		
Clearing condition: NOT (('failedThresholds'anyBitSupply Voltage High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 10-41 DDMSupplyVoltageLowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMSupplyVoltageLowAlarm (477) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: supplyVoltageLowAlarm (363)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the supply voltage of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Supply Voltage Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Supply Voltage Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 10-42 DDMSupplyVoltageLowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMSupplyVoltageLowWarning (476) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: supplyVoltageLowWarning (362)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the supply voltage of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Supply Voltage Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Supply Voltage Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 10-43 DDMTemperatureHighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTemperatureHighAlarm (475) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: temperatureHighAlarm (361)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the temperature of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Temperature High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Temperature High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 10-44 DDMTemperatureHighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTemperatureHighWarning (474) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: temperatureHighWarning (360)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the temperature of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Temperature High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Temperature High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 10-45 DDMTemperatureLowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTemperatureLowAlarm (473) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: temperatureLowAlarm (359)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the temperature of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Temperature Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Temperature Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 10-46 DDMTemperatureLowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTemperatureLowWarning (472) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: temperatureLowWarning (358)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the temperature of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Temperature Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Temperature Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 10-47 DDMTxBiasCurrentHighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTxBiasCurrentHighAlarm (483) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: txBiasCurrentHighAlarm (369)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the transmit bias current of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Bias Current High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Bias Current High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 10-48 DDMTxBiasCurrentHighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTxBiasCurrentHighWarning (482) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: txBiasCurrentHighWarning (368)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the transmit bias current of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Bias Current High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Bias Current High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 10-49 DDMTxBiasCurrentLowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTxBiasCurrentLowAlarm (481) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: txBiasCurrentLowAlarm (367)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the transmit bias current of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Bias Current Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Bias Current Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 10-50 DDMTxBiasCurrentLowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTxBiasCurrentLowWarning (480) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: txBiasCurrentLowWarning (366)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the transmit bias current of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Bias Current Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Bias Current Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 10-51 DDMTxOutputPowerHighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTxOutputPowerHighAlarm (487) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: txOutputPowerHighAlarm (373)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the output power of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Output Power High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Output Power High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 10-52 DDMTxOutputPowerHighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTxOutputPowerHighWarning (486) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: txOutputPowerHighWarning (372)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the output power of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Output Power High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Output Power High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 10-53 DDMtxOutputPowerLowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMtxOutputPowerLowAlarm (485) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: txOutputPowerLowAlarm (371)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the output power of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Output Power Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Output Power Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 10-54 DDMtxOutputPowerLowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMtxOutputPowerLowWarning (484) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: txOutputPowerLowWarning (370)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the output power of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Output Power Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Output Power Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 10-55 downgradedCardAlarm

Alarm	Attributes	Applicable major NE releases
Name: downgradedCardAlarm (256) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: downgradedCard (195)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when an IOM is not upgraded or reset after a device software upgrade of both CPMs. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
Raising condition: ('operationalState' EQUAL 'Downgrade')		
Clearing condition: ('operationalState' EQUAL 'Up')		
Remedial action: Informational - no corrective action required.		

Table 10-56 EfmOamAlarm

Alarm	Attributes	Applicable major NE releases
Name: EfmOamAlarm (4617) Type: equipmentAlarm (3) Package: ethernetEquipment Raised on class: ethernetEquipment.Dot3Oam	Severity: minor Implicitly cleared: true Default probable cause: EFMOperationalStateOutOfService (1886)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when EFM Ignore status is Enabled, and Physical port Administrative State is Down.		
Raising condition: ('Ignore EFM State' EQUAL 'true')		
Clearing condition: ('Ignore EFM State' EQUAL 'true')		
Remedial action: The alarm is raised when EFM Ignore status is Enabled, and Physical port Administrative State is Down.		

Table 10-57 EquipmentAdministrativelyDown

Alarm	Attributes	Applicable major NE releases
Name: EquipmentAdministrativelyDown (455) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: minor Implicitly cleared: true Default probable cause: equipmentAdministrativelyDown (326)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentAdministrativelyDown.		
Raising condition: ('compositeEquipmentState' EQUAL 'Admin Down')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Admin Down')		
Remedial action: Informational - no corrective action required.		

Table 10-58 EquipmentDegraded

Alarm	Attributes	Applicable major NE releases
Name: EquipmentDegraded (604) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: minor Implicitly cleared: true Default probable cause: singleFanFailure (450)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a single fan fails. The chassis attempts to continue operating within the normal temperature range using only the remaining fans.		
Raising condition: ('Device State' EQUAL 'MinorFailure')		
Clearing condition: ('Device State' NOT EQUAL 'MinorFailure')		
Remedial action: The failed fan unit should be replaced.		

Table 10-59 EquipmentDown

Alarm	Attributes	Applicable major NE releases
Name: EquipmentDown (10) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: inoperableEquipment (8)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentOperationallyDown.		
Raising condition: ('compositeEquipmentState' EQUAL 'Oper Down')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Oper Down')		
Remedial action: This alarm indicates that a card in the NE has failed. The card must be replaced.		

Table 10-60 EquipmentFailure

Alarm	Attributes	Applicable major NE releases
Name: EquipmentFailure (145) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.ReplaceableUnit	Severity: critical Implicitly cleared: true Default probable cause: cardFailure (123)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a control processor or power-supply tray reports a failure. When the object type is ControlProcessor, a CPM may be unable to boot. When the object type is Power Supply Tray and the alarm is raised during device discovery, a power-supply tray may be out of service. When the object type is a Power Supply Tray and the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
Raising condition: ('operationalState' EQUAL 'Failed')		
Clearing condition: ('operationalState' NOT EQUAL 'Failed')		
Remedial action: If the alarm indicates that the CPM card has a fault, remove the card and reset it. If this does not clear the alarm then please contact Alcatel-Lucent support for assistance. If the alarm indicates that the Power Supply tray is out of service ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 10-61 EquipmentInTest

Alarm	Attributes	Applicable major NE releases
Name: EquipmentInTest (11) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: warning Implicitly cleared: true Default probable cause: equipmentInTest (9)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when equipment enters a diagnostic state.		
Raising condition: ('compositeEquipmentState' EQUAL 'In Test')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'In Test')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: Informational - no corrective action required.		

(2 of 2)

Table 10-62 EquipmentMismatch

Alarm	Attributes	Applicable major NE releases
Name: EquipmentMismatch (9) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: equipmentTypeMismatch (7)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMismatch.		
Raising condition: ('compositeEquipmentState' EQUAL 'Type Mismatch')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Type Mismatch')		
Remedial action: A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

Table 10-63 EquipmentRemoved

Alarm	Attributes	Applicable major NE releases
Name: EquipmentRemoved (8) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: replaceableEquipmentRemoved (6)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMissing.		
Raising condition: (('compositeEquipmentState' EQUAL 'Removed') AND ('isEquipmentInserted' EQUAL 'true'))		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Removed')		
Remedial action: Informational - this alarm is raised when a card is removed.		

Table 10-64 EthernetPortConfiguredLoopback

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortConfiguredLoopback (801) Type: configurationAlarm (11) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: warning Implicitly cleared: true Default probable cause: ethernetPortConfiguredLoopback (567)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0

(1 of 2)

10 – Alcatel-Lucent 7210 SAS X alarms

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when a timed loopback is in effect for an Ethernet port.		
Raising condition: (('Type' NOT EQUAL 'None'))		
Clearing condition: (('Type' EQUAL 'None'))		
Remedial action: This alarm has been raised by the node because "Timed Loopback" option of the specific port's Ethernet property has been enabled. To resolve this problem from "Ethernet" tab of "Physical Port" properties form configure "Timed Loopback" Type property as "None".		

(2 of 2)

Table 10-65 EthernetPortDuplicateLane

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortDuplicateLane (3557) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: DuplicateLane (1387)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a device reports a Duplicate Lane on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 10-66 EthernetPortHighBer

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortHighBer (307) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a device reports a high bit-error rate on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))		
Remedial action: One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 10-67 EthernetPortLocalFault

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortLocalFault (305) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: LocalFault (236)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a device reports a local fault on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))		
Remedial action: One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 10-68 EthernetPortNoAmLock

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortNoAmLock (3558) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoAmLock (1388)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a device reports a No Am Lock on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 10-69 EthernetPortNoBlockLock

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortNoBlockLock (3559) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoBlockLock (1389)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a device reports a No Block Lock on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock'))		

(1 of 2)

10 – Alcatel-Lucent 7210 SAS X alarms

Alarm	Attributes	Applicable major NE releases
Clearing condition: NOT (((('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock'))))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

(2 of 2)

Table 10-70 EthernetPortNoFrameLock

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortNoFrameLock (306) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoFrameLock (237)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a device reports No Frame Lock on an Ethernet port.		
Raising condition: ((('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock')))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock'))))		
Remedial action: One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 10-71 EthernetPortRemoteFault

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortRemoteFault (304) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: RemoteFault (235)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a device reports a remote fault on an Ethernet port.		
Raising condition: ((('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault')))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault'))))		
Remedial action: One of the following conditions exists on the remote physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 10-72 EthernetPortSignalFailure

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortSignalFailure (303) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: SignalFailure (234)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a device reports a signal failure on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))))		
Remedial action: One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 10-73 ExternalTimingReferenceNotQualified

Alarm	Attributes	Applicable major NE releases
Name: ExternalTimingReferenceNotQualified (548) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: timingReferenceNotQualified (418)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the External timing reference on an NE is not in the Qualified state.		
Raising condition: (('Qualified For Use' EQUAL 'Not Qualified') AND ('Administrative State' NOT EQUAL 'Down'))		
Clearing condition: (('Qualified For Use' NOT EQUAL 'Not Qualified') OR ('Administrative State' EQUAL 'Down'))		
Remedial action: Informational		

Table 10-74 FanFailure

Alarm	Attributes	Applicable major NE releases
Name: FanFailure (624) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: fanFailure (116)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the associated fan is not operationally Up.		
Raising condition: (('Device State' EQUAL 'Failed') OR ('Device State' EQUAL 'Unknown') OR ('Device State' EQUAL 'OutOfservice'))		
Clearing condition: ('Device State' EQUAL 'OK')		
Remedial action: Remove and reset the fan unit. If this does not resolve the problem replace the fan.		

Table 10-75 FanTrayRemoved

Alarm	Attributes	Applicable major NE releases
Name: FanTrayRemoved (569) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: FanTrayRemoved (438)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the deviceState attribute has a value of deviceNotEquipped.		
Raising condition: ('Device State' EQUAL 'Not Equipped')		
Clearing condition: ('Device State' NOT EQUAL 'Not Equipped')		
Remedial action: Informational - a fan tray has been removed from the NE.		

Table 10-76 ForwardingTableSizeLimitReached

Alarm	Attributes	Applicable major NE releases
Name: ForwardingTableSizeLimitReached (164) Type: resourceAlarm (28) Package: I2fwd Raised on class: I2fwd.SiteFib	Severity: major Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the number of MAC address entries in the FIB reaches or exceeds the VPLS site high watermark specified by I2fwd.SiteFib.highWatermark. The alarm clears when the number of MAC address entries in the FIB drops below the VPLS site low watermark specified by I2fwd.SiteFib.lowWatermark. The alarm can be raised against a VPLS site, L2 access interface, or spoke SDP binding.		
Raising condition: (('Entries' >= 'Size') OR ('Entries' >= (('High Watermark' * 'Size') / 100.0)))		
Clearing condition: (('Entries' < 'Size') AND (('High Watermark' EQUAL '0L') OR ('Entries' < (('Low Watermark' * 'Size') / 100.0))) AND (('Low Watermark' EQUAL '0L') OR ('Entries' < (('Low Watermark' * 'Size') / 100.0)))		
Remedial action: Informational		

Table 10-77 FrameSizeProblem (netw)

Alarm	Attributes	Applicable major NE releases
Name: FrameSizeProblem (37) Type: configurationAlarm (11) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: frameSizeProblem (33)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a provisioned MTU size value is greater than the supported MTU size value.		
Raising condition: (('mtuMismatch' EQUAL 'true') AND ('portId' NOT EQUAL '0L'))		
Clearing condition: (('mtuMismatch' EQUAL 'false') OR ('portId' EQUAL '0L'))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: A configuration error has been made which must be corrected. The MTU value must be changed such that is less than or equal to the supported MTU size value.		

(2 of 2)

Table 10-78 FrameSizeProblem (svt)

Alarm	Attributes	Applicable major NE releases
Name: FrameSizeProblem (37) Type: configurationAlarm (11) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: frameSizeProblem (33)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a provisioned MTU size value is greater than the supported MTU size value.		
Raising condition: (('Operational State' EQUAL 'MTU Mismatch') OR ('Operational State' EQUAL 'Tunnel MTU Too Small'))		
Clearing condition: (('Operational State' NOT EQUAL 'MTU Mismatch') AND ('Operational State' NOT EQUAL 'Tunnel MTU Too Small'))		
Remedial action: The MTU value must be changed such that is is less than or equal to the supported MTU size value.		

Table 10-79 GaPeerDown

Alarm	Attributes	Applicable major NE releases
Name: GaPeerDown (3303) Type: EpcAlarm (59) Package: Iteggsn Raised on class: Iteggsn.GaPeer	Severity: major Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the path management state of a Ga peer changes to a state other than Up.		
Raising condition: ('Path Management State' NOT EQUAL 'Active')		
Clearing condition: ('Path Management State' EQUAL 'Active')		
Remedial action: A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

Table 10-80 IncompleteConfig (multichassis)

Alarm	Attributes	Applicable major NE releases
Name: IncompleteConfig (294) Type: configurationAlarm (11) Package: multichassis Raised on classes: <ul style="list-style-type: none"> multichassis.MultiChassisSync multichassis.MultiChassisLagMember 	Severity: major Implicitly cleared: true Default probable cause: incompleteConfig (225)	<ul style="list-style-type: none"> 4.0.0 5.0.0 6.0.0
Description: The alarm is raised when a peer configuration cannot be found on the peer NE.		
Raising condition: ('mLagPointer' EQUAL '\')		
Clearing condition: ('mLagPointer' NOT EQUAL '\')		
Remedial action: Configure the missing peered object.		

Table 10-81 IncompleteConfiguration

Alarm	Attributes	Applicable major NE releases
Name: IncompleteConfiguration (1942) Type: operationalViolation (93) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: incompleteConfig (225)	<ul style="list-style-type: none"> 4.0.0 5.0.0 6.0.0
Description: The alarm is raised when a pre-provisioned NE has no objects configured beneath it.		
Raising condition: (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' EQUAL '\'))		
Clearing condition: (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' NOT EQUAL '\'))		
Remedial action: A configuration error has been made which must be corrected. The configuration of the pre-provisioned NE is incomplete. A work order was not associated with the pre-provisioned NE and as a consequence the attempt to auto-configure the NE failed.		

Table 10-82 IncorrectPeerConfig

Alarm	Attributes	Applicable major NE releases
Name: IncorrectPeerConfig (779) Type: configurationAlarm (11) Package: multichassis Raised on class: multichassis.AbstractPeer	Severity: major Implicitly cleared: true Default probable cause: IncorrectPeerConfig (554)	<ul style="list-style-type: none"> 4.0.0 5.0.0 6.0.0
Description: The alarm is raised when an MC peer does not exist, or when an MC peer exists but the peer address is not the address of a network interface on the peer.		
Raising condition: ('peerMatchFound' EQUAL 'false')		
Clearing condition: ('peerMatchFound' EQUAL 'true')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: The peer configuration cannot be found on the peer NE. Either delete this one, or create the missing peer object.		

(2 of 2)

Table 10-83 IncorrectPeerSynchronizationPortConfig

Alarm	Attributes	Applicable major NE releases
Name: IncorrectPeerSynchronizationPortConfig (780) Type: configurationAlarm (11) Package: multichassis Raised on class: multichassis.PeerSynchronizationPort	Severity: major Implicitly cleared: true Default probable cause: IncorrectPeerSynchronizationPortConfig (555)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the peer port does not exist, or when the peer port exists but the synchronization tags of the peers do not match.		
Raising condition: ('peerMatchFound' EQUAL 'false')		
Clearing condition: ('peerMatchFound' EQUAL 'true')		
Remedial action: Check if the peer port does not exist, or the peer port exists but the synchronization tags do not match.		

Table 10-84 IncorrectPeerSynchronizationPortEncapRangeConfig

Alarm	Attributes	Applicable major NE releases
Name: IncorrectPeerSynchronizationPortEncapRangeConfig (781) Type: configurationAlarm (11) Package: multichassis Raised on class: multichassis.PeerSynchronizationPortEncapRange	Severity: major Implicitly cleared: true Default probable cause: IncorrectPeerSynchronizationPortEncapRangeConfig (556)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the VLAN ranges on the Multi-Chassis synchronization peers do not match.		
Raising condition: ('Neighbor Match' EQUAL 'false')		
Clearing condition: ('Neighbor Match' EQUAL 'true')		
Remedial action: Update the VLAN ranges on the Multi-Chassis synchronization peers to make them matching.		

Table 10-85 InstanceDown (vrrp)

Alarm	Attributes	Applicable major NE releases
Name: InstanceDown (284) Type: configurationAlarm (11) Package: vrrp Raised on class: vrrp.AbstractInstance	Severity: major Implicitly cleared: true Default probable cause: instanceDown (216)	<ul style="list-style-type: none"> • 5.0.0 • 6.0.0
Description: The alarm is raised when the 5620 SAM detects that a VRRP instance is operationally down.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: Check the instance configuration		

Table 10-86 InterfaceDown (netw)

Alarm	Attributes	Applicable major NE releases
Name: InterfaceDown (36) Type: InterfaceAlarm (13) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when an interface or underlying resource fails, as indicated by an interface compositeState attribute value of failed or underlyingResourceFailed.		
Raising condition: (('compositeState' EQUAL 'Inoperable') OR ('compositeState' EQUAL 'Underlying Resource Inoperable'))		
Clearing condition: (('compositeState' NOT EQUAL 'Inoperable') AND ('compositeState' NOT EQUAL 'Underlying Resource Inoperable'))		
Remedial action: A physical port (physical interface, LAG, channel) associated with the network interface in not operation. Ensure that the interface is cabled and that there isn't a configuration error (i.e. MTU size set incorrectly) on the interface. Once the issue w		

Table 10-87 InterfaceNeighborDown

Alarm	Attributes	Applicable major NE releases
Name: InterfaceNeighborDown (661) Type: NeighborDown (20) Package: ospf Raised on class: ospf.Interface	Severity: warning Implicitly cleared: true Default probable cause: NeighborDown (103)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when an interface neighbor is operationally down.		
Raising condition: (('Neighbor Count' EQUAL '0L') AND ('interfaceClass' NOT EQUAL 'System') AND ('Passive' NOT EQUAL 'true'))		
Clearing condition: (('Neighbor Count' NOT EQUAL '0L') OR ('Passive' EQUAL 'true'))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: This alarm is raised when the OSPF interface neighbor is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

(2 of 2)

Table 10-88 IsisAdjacencyDown

Alarm	Attributes	Applicable major NE releases
Name: IsisAdjacencyDown (153) Type: adjacencyAlarm (31) Package: isis Raised on class: isis.Interface	Severity: minor Implicitly cleared: true Default probable cause: IsisInterfaceDown (232)	<ul style="list-style-type: none"> 4.0.0 5.0.0 6.0.0
Description: The alarm is raised when an IS-IS interface has no adjacencies, for example, because the IS-IS protocol on the remote site is down.		
Raising condition: (('Adjacency Count' EQUAL '0L') AND ('interfaceClass' NOT EQUAL 'System') AND ('Passive' NOT EQUAL 'True'))		
Clearing condition: (('Adjacency Count' > '0L') OR ('Passive' EQUAL 'True'))		
Remedial action: Check remote site to see if corresponding IS-IS interface is configured and admin up.		

Table 10-89 IsisDown

Alarm	Attributes	Applicable major NE releases
Name: IsisDown (19) Type: ProtocolAlarm (1) Package: isis Raised on class: isis.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> 4.0.0 5.0.0 6.0.0
Description: The alarm is raised when an IS-IS site has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: The protocol is not working anymore, could be a problem with IP addresses, resources on the device, ...		

Table 10-90 IsisInterfaceDown

Alarm	Attributes	Applicable major NE releases
Name: IsisInterfaceDown (301) Type: ProtocolAlarm (1) Package: isis Raised on class: isis.Interface	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when an IS-IS interface has an Operational State other than Up.		
Raising condition: ('Operational State' EQUAL 'Down')		
Clearing condition: ('Operational State' NOT EQUAL 'Down')		
Remedial action: Check if underlying port is down, or associated network interface is down.		

Table 10-91 KeepAliveProblem

Alarm	Attributes	Applicable major NE releases
Name: KeepAliveProblem (100) Type: oamAlarm (18) Package: svt Raised on class: svt.Tunnel	Severity: warning Implicitly cleared: true Default probable cause: keepAliveFailed (86)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the 5620 SAM detects a keep-alive protocol status of senderIdInvalid or responderIdError.		
Raising condition: (('Keep-Alive State' NOT EQUAL 'Disabled') AND ('Keep-Alive State' NOT EQUAL 'Alive') AND ('Keep-Alive State' NOT EQUAL 'Unknown'))		
Clearing condition: (('Keep-Alive State' EQUAL 'Disabled') OR ('Keep-Alive State' EQUAL 'Alive') OR ('Keep-Alive State' EQUAL 'Unknown'))		
Remedial action: Check the configuration of this tunnel and underlying physical transport.		

Table 10-92 LabelProblem

Alarm	Attributes	Applicable major NE releases
Name: LabelProblem (98) Type: CircuitAlarm (17) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: labelProblem (84)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when an ingress or an egress label is missing.		
Raising condition: (('Operational State' EQUAL 'No Egress Label') OR ('Operational State' EQUAL 'No Ingress Label') OR ('Operational State' EQUAL 'No Labels'))		
Clearing condition: (('Operational State' NOT EQUAL 'No Egress Label') AND ('Operational State' NOT EQUAL 'No Ingress Label') AND ('Operational State' NOT EQUAL 'No Labels'))		
Remedial action: An ingress or egress label is missing for the SDP binding.		

Table 10-93 LagDown

Alarm	Attributes	Applicable major NE releases
Name: LagDown (20) Type: equipmentAlarm (3) Package: lag Raised on class: lag.Interface	Severity: critical Implicitly cleared: true Default probable cause: lagDown (17)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when all ports in a LAG are operationally down.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
Clearing condition: (('operationalState' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: This alarm indicates that all physical Ethernet links associated with a LAG are operationally down. The reasons for the links to be down may vary from link to link. The following possible causes of this alarm should be investigated. The physical port (near end or far end) may have failed - this can be remedied by replacing the interface card in question. The physical links may have been turned down administratively - re-enable the links. A cable failure or disconnect may have occurred - please ensure that the cables are properly connected to the physical port and that the cable has not been damaged.		

Table 10-94 LagPortAddFailed

Alarm	Attributes	Applicable major NE releases
Name: LagPortAddFailed (422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: warning Implicitly cleared: true Default probable cause: linkDown (315)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the Lag Port Add function Fails.		
Raising condition: (('state' EQUAL 'Link Down') AND ('LAG ID' > '0'))		
Clearing condition: (('state' NOT EQUAL 'Link Down') OR ('LAG ID' EQUAL '0'))		
Remedial action: A configuration error has occurred which must be corrected. The link that was to be added to the LAG group may be of the wrong type (i.e. non ethernet) or the limit of the number of links supported in a LAG may have been reached.		

Table 10-95 LdpDown

Alarm	Attributes	Applicable major NE releases
Name: LdpDown (22) Type: ProtocolAlarm (1) Package: ldp Raised on class: ldp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when an LDP site has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: Check operational state down reason and update accordingly.		

Table 10-96 LdpSessionNonexistent

Alarm	Attributes	Applicable major NE releases
Name: LdpSessionNonexistent (2954) Type: LdpSessionAlarm (101) Package: ldp Raised on class: ldp.Session	Severity: critical Implicitly cleared: true Default probable cause: LdpSessionDown (1149)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when an LDP session is non-existent.		
Raising condition: ('Session State' EQUAL 'Non-existent')		
Clearing condition: ('Session State' EQUAL 'Operational')		
Remedial action: Please check the LDP session path to make sure all associated protocols/interfaces/connections are OK.		

Table 10-97 LdpTargetedPeerDown

Alarm	Attributes	Applicable major NE releases
Name: LdpTargetedPeerDown (23) Type: ProtocolAlarm (1) Package: ldp Raised on class: ldp.TargetedPeer	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when an LDP targeted peer is operationally down.		
Raising condition: (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
Clearing condition: (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
Remedial action: Please check the route to LDP targeted peer to make sure all associated protocols/interfaces/connections are OK.		

Table 10-98 LicensedLimitExceeded

Alarm	Attributes	Applicable major NE releases
Name: LicensedLimitExceeded (127) Type: licensingAlarm (23) Package: security Raised on class: security.ProductLicense	Severity: critical Implicitly cleared: true Default probable cause: licensedLimitExceeded (106)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the license items in the network exceeds 100 percent of the license capacity.		
Raising condition: ('Exceeded' EQUAL 'true')		
Clearing condition: ('Exceeded' NOT EQUAL 'true')		
Remedial action: Informational - The number of SAM licenses purchased and available on the SAM server is insufficient as compared to the number of NEs/MDA/Cells under management in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

Table 10-99 LinkDown

Alarm	Attributes	Applicable major NE releases
Name: LinkDown (12) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: portLinkProblem (10)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a port has no associated physical link or remote end point is operationally down.		
Raising condition: (('compositeEquipmentState' EQUAL 'Link Down') OR ('compositeEquipmentState' EQUAL 'Oper Down'))		
Clearing condition: (('compositeEquipmentState' NOT EQUAL 'Link Down') AND ('compositeEquipmentState' NOT EQUAL 'Oper Down'))		
Remedial action: Please make sure that port has physical link and remote end point is operationally up.		

Table 10-100 LowTemperatureDetected

Alarm	Attributes	Applicable major NE releases
Name: LowTemperatureDetected (1127) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOvercooled (838)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the chassis temperature falls below the minimum threshold.		
Raising condition: ('Low Temperature State' EQUAL 'Low')		
Clearing condition: ('Low Temperature State' NOT EQUAL 'Low')		
Remedial action: The NE has detected internal temperatures which are abnormally low. This may happen when the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 10-101 LspDown

Alarm	Attributes	Applicable major NE releases
Name: LspDown (25) Type: pathAlarm (12) Package: mpls Raised on class: mpls.Lsp	Severity: critical Implicitly cleared: true Default probable cause: lspDown (19)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the Operational State of an LSP is Down, but the Administrative State is Up.		
Raising condition: (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
Clearing condition: (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
Remedial action: So many things can cause LSP down, check if source and destination interfaces are down, LSP path is down and the failure code, or MPLS path is down...		

Table 10-102 LspPathBypassTunnelActive

Alarm	Attributes	Applicable major NE releases
Name: LspPathBypassTunnelActive (264) Type: pathAlarm (12) Package: mpls Raised on class: mpls.LspPath	Severity: warning Implicitly cleared: true Default probable cause: LspPathReroutedToBypassTunnel (197)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when an LSP primary path is rerouted to the bypass tunnel. The alarm clears when the primary path returns to the original tunnel and the actual hop returns to the primary path.		
Raising condition: ('Bypass Tunnel Active' EQUAL 'true')		
Clearing condition: ('Bypass Tunnel Active' EQUAL 'false')		
Remedial action: There is a problem with the original path, check what is the problem and fix it if possible.		

Table 10-103 LspPathDown

Alarm	Attributes	Applicable major NE releases
Name: LspPathDown (26) Type: pathAlarm (12) Package: mpls Raised on class: mpls.LspPath	Severity: major Implicitly cleared: true Default probable cause: LspPathDown (20)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when an LSP path is operationally down.		
Raising condition: (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up') AND ('Type' EQUAL 'Standby'))		
Clearing condition: (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up') OR ('Type' EQUAL 'Secondary'))		
Remedial action: Check the failure code and update accordingly, e.g. whether MPLS/RSVP interfaces, OSPF interfaces are down.		

Table 10-104 macMoveRateExceeded (service)

Alarm	Attributes	Applicable major NE releases
Name: macMoveRateExceeded (3690) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: minor Implicitly cleared: true Default probable cause: MacMoveRateExceeded (1429)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site.		
Raising condition: ('State Cause'anyBit'Relearn Limit Exceeded')		
Clearing condition: NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		
Remedial action: Informational.		

Table 10-105 macMoveRateExceeded (svt)

Alarm	Attributes	Applicable major NE releases
Name: macMoveRateExceeded (3690) Type: SpokeSdpBindingAlarm (104) Package: svt Raised on class: svt.SpokeSdpBinding	Severity: minor Implicitly cleared: true Default probable cause: MacMoveRateExceeded (1429)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the SDP exceeds the Service Site's MAC Move Frequency.		
Raising condition: ('operationalFlags'anyBit'Relearn Limit Exceeded')		
Clearing condition: NOT (('operationalFlags'anyBit'Relearn Limit Exceeded'))		
Remedial action: Check Service Site MAC move frequency or underlying physical link to understand issue.		

Table 10-106 macMoveRateExceededNonBlock (service)

Alarm	Attributes	Applicable major NE releases
Name: macMoveRateExceededNonBlock (4893) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: info Implicitly cleared: true Default probable cause: MacMoveRateExceededNonBlock (1951)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site when limitMacMove(sapTIsLimitMacMove) is set to 'nonBlocking'.		
Raising condition: ('State Cause'anyBit'Relearn Limit Exceeded')		
Clearing condition: NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		
Remedial action: Informational - User can adjust the value of 'MAC Move Maximum Rate' to reduce the frequency of this alarm.		

Table 10-107 macMoveRateExceededNonBlock (svt)

Alarm	Attributes	Applicable major NE releases
Name: macMoveRateExceededNonBlock (4893) Type: SpokeSdpBindingAlarm (104) Package: svt Raised on class: svt.SpokeSdpBinding	Severity: info Implicitly cleared: true Default probable cause: MacMoveRateExceededNonBlock (1951)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the SDP exceeds the Service Site's MAC Move Frequency even when limitMacMove(sdpBindTIsLimitMacMove) is set to 'nonBlocking'.		
Raising condition: ('operationalFlags'anyBit'Relearn Limit Exceeded')		
Clearing condition: NOT (('operationalFlags'anyBit'Relearn Limit Exceeded'))		
Remedial action: Informational - User can adjust the value of 'MAC Move Maximum Rate' to reduce the frequency of this alarm.		

Table 10-108 MCLagDown (lag)

Alarm	Attributes	Applicable major NE releases
Name: MCLagDown (394) Type: equipmentAlarm (3) Package: lag Raised on class: lag.MultiChassisLagSpecifics	Severity: critical Implicitly cleared: true Default probable cause: mclagDown (295)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when all ports in an MC LAG are operationally down.		
Raising condition: (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
Clearing condition: (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
Remedial action: This alarm indicates that all physical Ethernet links associated with a LAG are operationally down. The reasons for the links to be down may vary from link to link. The following possible causes of this alarm should be investigated. The physical port (near end or far end may have failed - this can be remedied by replacing the interface card in question. The physical links may have been turned down administratively - re-enable the links. A cable failure or disconnect may have occurred - please ensure that the cables are properly connected to the physical port and and that the cable has not been damaged.		

Table 10-109 MCLagDown (multichassis)

Alarm	Attributes	Applicable major NE releases
Name: MCLagDown (394) Type: equipmentAlarm (3) Package: multichassis Raised on class: multichassis.MultiChassisLagPeerSpecifics	Severity: critical Implicitly cleared: true Default probable cause: mclagDown (295)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when all ports in an MC LAG are operationally Down.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: This alarm indicates that all physical Ethernet links associated with a LAG are operationally down. The reasons for the links to be down may vary from link to link. The following possible causes of this alarm should be investigated. The physical port (near end or far end may have failed - this can be remedied by replacing the interface card in question. The physical links may have been turned down administratively - re-enable the links. A cable failure or disconnect may have occurred - please ensure that the cables are properly connected to the physical port and and that the cable has not been damaged.		

Table 10-110 MepAISReceivedAlarm

Alarm	Attributes	Applicable major NE releases
Name: MepAISReceivedAlarm (2945) Type: oamAlarm (18) Package: ethernetOam Raised on class: ethernetOam.Mep	Severity: variable Implicitly cleared: true Default probable cause: missingRemoteMep (388)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a MEP Receives AIS test frames from one or more of its sub-layer MEPs.		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Raising condition: (('AIS Received (AisRx)' EQUAL 'true') AND ('Facility VLAN ID' EQUAL '0'))		
Clearing condition: ('AIS Received (AisRx)' EQUAL 'false')		
Remedial action: This alarm indicates that it has received a MEP fault from a sub-layer MEP, user should investigate the fault cause on the sub-layer MEP and resolve this root cause issue.		

(2 of 2)

Table 10-111 MobileConnectorDown

Alarm	Attributes	Applicable major NE releases
Name: MobileConnectorDown (1064) Type: EpcAlarm (59) Package: Iteservice Raised on class: Iteservice.MobileServiceConnector	Severity: minor Implicitly cleared: true Default probable cause: EpcDown (519)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the 5620 SAM no longer manages the EPS path instance of this mobile service site. As a result, the service must be regenerated.		
Raising condition: ('EPS Path' EQUAL '\\"')'		
Clearing condition: ('EPS Path' NOT EQUAL '\\"')'		
Remedial action: The underlying transport network has gone down resulting in the deletion of a mobile service connector (EPS path). Correct the issue with the transport network and regenerate the mobile service connector by clicking on the re-calculate button on the mobile service properties form.		

Table 10-112 MplsDown

Alarm	Attributes	Applicable major NE releases
Name: MplsDown (27) Type: ProtocolAlarm (1) Package: mpls Raised on class: mpls.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when an MPLS site has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: Check operational down reason and update accordingly.		

Table 10-113 MplsPathUpdateFailed

Alarm	Attributes	Applicable major NE releases
Name: MplsPathUpdateFailed (1066) Type: pathAlarm (12) Package: mpls Raised on class: mpls.LspPath	Severity: major Implicitly cleared: true Default probable cause: mbbRetryExceeded (804) Applicable probable causes: <ul style="list-style-type: none"> • mbbRetryExceeded • lspPathGoingDown • startingHighPriMbb • restartingMbb • highPriMbbInProg 	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when an MPLS path update fails because of an MBB problem. The alarm clears when the MBB status changes to Successful.		
Raising condition: (('mbbStatus' NOT EQUAL 'None') AND ('mbbStatus' NOT EQUAL 'Successful'))		
Clearing condition: (('Last Performed State' EQUAL 'Success') OR ('Administrative' EQUAL 'Down') OR (('Operational' EQUAL 'Up') AND ('Last Performed State' EQUAL 'None')))		
Remedial action: Based on the probable cause, change the parameters and update the path again.		

Table 10-114 MvrConfiguredFromVplsNotExist

Alarm	Attributes	Applicable major NE releases
Name: MvrConfiguredFromVplsNotExist (219) Type: configurationAlarm (11) Package: vpls Raised on classes: <ul style="list-style-type: none"> • vpls.L2AccessInterfaceMldMvrCfg • vpls.L2AccessInterfaceMvrCfg 	Severity: warning Implicitly cleared: true Default probable cause: MvrConfiguredFromVplsNotExist (164)	<ul style="list-style-type: none"> • 5.0.0 • 6.0.0
Description: The alarm is raised when an MVR source is an MVR VPLS that does not exist. The alarm clears when the MVR VPLS is created.		
Raising condition: ('fromVplsExists' EQUAL 'false')		
Clearing condition: (('fromVplsExists' EQUAL 'true') OR ('fromVplsId' EQUAL '0L'))		
Remedial action: Create the missing MVR VPLS.		

Table 10-115 MvrConfiguredProxySapNotExist

Alarm	Attributes	Applicable major NE releases
Name: MvrConfiguredProxySapNotExist (220) Type: configurationAlarm (11) Package: vpls Raised on classes: <ul style="list-style-type: none"> vpls.L2AccessInterfaceMldMvrCfg vpls.L2AccessInterfaceMvrCfg 	Severity: warning Implicitly cleared: true Default probable cause: MvrConfiguredProxySapNotExist (165)	<ul style="list-style-type: none"> 5.0.0 6.0.0
Description: The alarm is raised when a configured MVR proxy SAP does not exist. The alarm clears when the proxy SAP is created.		
Raising condition: ('proxySapExists' EQUAL 'false')		
Clearing condition: ('proxySapExists' EQUAL 'true')		
Remedial action: Create the missing proxy SAP.		

Table 10-116 MvrSiteDown

Alarm	Attributes	Applicable major NE releases
Name: MvrSiteDown (162) Type: ProtocolAlarm (1) Package: layer2 Raised on class: layer2.MvrSite	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> 4.0.0 5.0.0 6.0.0
Description: The alarm is raised when MVR is disabled on an NE and a TLS VLAN or MVR VLAN service is provisioned on the NE.		
Raising condition: ('MVR Admin Status' EQUAL 'Disabled')		
Clearing condition: ('MVR Admin Status' EQUAL 'Enabled')		
Remedial action: To clear the alarm, enable MVR Admin Status under the Bridge Instance.		

Table 10-117 NeighborDown

Alarm	Attributes	Applicable major NE releases
Name: NeighborDown (121) Type: NeighborDown (20) Package: ospf Raised on class: ospf.AbstractNeighbor	Severity: major Implicitly cleared: true Default probable cause: NeighborDown (103)	<ul style="list-style-type: none"> 4.0.0 5.0.0 6.0.0
Description: The alarm is raised when an OSPF interface neighbor is operationally Down.		
Raising condition: ('Operational State' NOT EQUAL 'full')		
Clearing condition: ('Operational State' EQUAL 'full')		

(1 of 2)

10 – Alcatel-Lucent 7210 SAS X alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: This alarm is raised when the OSPF interface neighbor is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

(2 of 2)

Table 10-118 NeManagementAndTrapManagementMismatch

Alarm	Attributes	Applicable major NE releases
Name: NeManagementAndTrapManagementMismatch (1079) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: neManagementChange (817)	<ul style="list-style-type: none"> 4.0.0 5.0.0 6.0.0
Description: This user-defined alarm is raised when the NE configuration is one of the following: - The Active Management IP is set to Out Of Band, and the Primary Route Preference is set to In Band. - The Active Management IP is set to In Band, and the Primary Route Preference is set to Out of Band.		
Raising condition: (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only')) AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only')) AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'Out Of Band'))))		
Clearing condition: (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only')) AND ('Primary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only')) AND ('Primary Route Preference' EQUAL 'Out Of Band'))))		
Remedial action: A configuration error has been made which must be corrected. The parameters described in the description for this alarm must match.		

Table 10-119 NewSsh2ServerKeyDetected

Alarm	Attributes	Applicable major NE releases
Name: NewSsh2ServerKeyDetected (285) Type: communicationsAlarm (4) Package: security Raised on class: security.KnownHostKey	Severity: warning Implicitly cleared: true Default probable cause: ssh2ServerKeyMismatch (217)	<ul style="list-style-type: none"> 4.0.0 5.0.0 6.0.0
Description: The alarm is raised when a 5620 SAM main server detects a new public SSH key.		
Raising condition: ('SSH2 Server Key Status' EQUAL 'Mismatch SSH2 Host Key')		
Clearing condition: ('SSH2 Server Key Status' EQUAL 'Active SSH2 Host Key')		
Remedial action: Informational - possible security breach. The SSH key of the router is different from the one known to the SAM server.		

Table 10-120 NodeDatabaseFallbackDetected

Alarm	Attributes	Applicable major NE releases
Name: NodeDatabaseFallbackDetected (2923) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseFallback (1121)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a configuration fallback is detected on the node and comes back up with a previous configuration. To correct this situation it might be necessary to reconfigure the node, or perform full resync its database with the 'fallback' configuration returned by the node.		
Raising condition: ('State' EQUAL 'Node Configuration Fallback')		
Clearing condition: ('State' EQUAL 'Managed')		
Remedial action: the NE has come back to a previous configuration. Perform a manual Full Resync or a Reconfigure of the NE		

Table 10-121 NodeDatabaseMisalignmentDetected

Alarm	Attributes	Applicable major NE releases
Name: NodeDatabaseMisalignmentDetected (2924) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseMisalignment (1122)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a configuration misalignment has been detected on the node and comes back up with an unexpected configuration (configuration change triggered by external tool) To correct this situation it might be necessary to reconfigure the node with the 5620 SAM's old configuration or accept the new configuration received from the node.		
Raising condition: ('State' EQUAL 'Node Configuration Misalignment')		
Clearing condition: ('State' EQUAL 'Managed')		
Remedial action: the NE configuration is misaligned. Perform a resync in order to update SAM configuration according to the NE.		

Table 10-122 NodeRebooted

Alarm	Attributes	Applicable major NE releases
Name: NodeRebooted (32) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: false Default probable cause: nodeReboot (25)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the 5620 SAM detects an NE reboot based on the latest NE sysUpTime value.		
Remedial action: Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 10-123 NodeSuspended

Alarm	Attributes	Applicable major NE releases
Name: NodeSuspended (5123) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: NodeSuspend (2057)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the 5620 SAM detects an NE moved to suspend state as per user request.		
Raising condition: ('SNMP Reachability' EQUAL 'Suspended')		
Clearing condition: ('SNMP Reachability' NOT EQUAL 'Suspended')		
Remedial action: This alarm is raised when user suspends the network element. The alarm will be cleared when the network element is managed back.		

Table 10-124 NTPOperDown

Alarm	Attributes	Applicable major NE releases
Name: NTPOperDown (4879) Type: communicationsAlarm (4) Package: ntp Raised on class: ntp.NTP	Severity: info Implicitly cleared: true Default probable cause: NTPOperDown (1943)	<ul style="list-style-type: none"> • 5.0.0 • 6.0.0
Description: The alarm is generated when the NTP Operational State is down for NTP.		
Raising condition: (('Operational State' EQUAL 'Down') AND ('NTP State' EQUAL 'Enabled'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('NTP State' EQUAL 'Disabled'))		
Remedial action: Please check if NTP is administratively enabled (Admin State in NTP General Tab). If admin state down, enable it to make NTP operationally up.		

Table 10-125 OrphanNodeDetected

Alarm	Attributes	Applicable major NE releases
Name: OrphanNodeDetected (4866) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.AdvertisedNode	Severity: major Implicitly cleared: true Default probable cause: nodeNotManagedByAnyEms (1934)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when node is not managed by any EMS after n retries (threshold crossed) it is manually cleared by the operator or when the node is discovered.		
Raising condition: ('state' EQUAL 'orphan')		
Remedial action: The NE is not managed by any SAM. Add an discovery rule in order to manage it.		

Table 10-126 OspfInterfaceDown

Alarm	Attributes	Applicable major NE releases
Name: OspfInterfaceDown (141) Type: OspfInterfaceDown (24) Package: ospf Raised on class: ospf.Interface	Severity: warning Implicitly cleared: true Default probable cause: OspfInterfaceDown (112)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when an OSPF interface is operationally down.		
Raising condition: ('operationalState' EQUAL 'Down')		
Clearing condition: ('operationalState' NOT EQUAL 'Down')		
Remedial action: This alarm is raised when the OSPF interface is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 10-127 OverTemperatureDetected

Alarm	Attributes	Applicable major NE releases
Name: OverTemperatureDetected (388) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the chassis temperature exceeds the maximum threshold value.		
Raising condition: ('Over Temperature State' EQUAL 'Over')		
Clearing condition: ('Over Temperature State' NOT EQUAL 'Over')		
Remedial action: The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 10-128 PartialResyncProblem

Alarm	Attributes	Applicable major NE releases
Name: PartialResyncProblem (4401) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: partialResyncProblem (1578)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when an Partial Resync on an NE fails. For example, when resyncing only some MIB entries as opposed to a full resync. The periodic reachability test (sysUpTime) is not considered a partial resync, neither is a full resync. However, a PartialResyncProblem alarm can only be reset by a FullResync.		
Raising condition: ('partialResyncStatus' EQUAL 'Partial Resync Failed')		

(1 of 2)

10 – Alcatel-Lucent 7210 SAS X alarms

Alarm	Attributes	Applicable major NE releases
Clearing condition: ('partialResyncStatus' EQUAL 'Partial Resync Done')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE.		

(2 of 2)

Table 10-129 PeerConnectionDown (bgp)

Alarm	Attributes	Applicable major NE releases
Name: PeerConnectionDown (2) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.Peer	Severity: critical Implicitly cleared: true Default probable cause: connectionDown (2)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a BGP peer has a Connection State other than Established, and the Administrative State of the BGP peer is Up.		
Raising condition: (('Connection State' NOT EQUAL 'Established') AND ('Administrative State' EQUAL 'Up'))		
Clearing condition: (('Connection State' EQUAL 'Established') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: A mismatch in configuration may have occurred. Check the configuration of both peers to rule out a mismatched configuration.		

Table 10-130 PeerDown (bgp)

Alarm	Attributes	Applicable major NE releases
Name: PeerDown (1) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.Peer	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a BGP peer has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: The BGP peer entity is down - administratively disable the BGP peer and re-enable it. If toggling the administrative state does not solve the problem check that the physical interface and network connection to the far end peer are up and operational. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 10-131 PeerGroupDown (bgp)

Alarm	Attributes	Applicable major NE releases
Name: PeerGroupDown (5) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.PeerGroup	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a BGP peer group has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: The BGP peer group is down - administratively disable the BGP peer group and re-enable it. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 10-132 PeerLacIngressEgressFault

Alarm	Attributes	Applicable major NE releases
Name: PeerLacIngressEgressFault (2929) Type: PeerLacAlarm (98) Package: svt Raised on class: svt.SpokeSdpBinding	Severity: minor Implicitly cleared: true Default probable cause: peerPWStatusBitsChanged (1123)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the Peer Status is Peer LAC Rx Fault and Peer LAC Tx Fault		
Raising condition: (('Peer State Cause'anyBit'Peer LAC Tx Fault') AND ('Peer State Cause'anyBit'Peer LAC Rx Fault'))		
Clearing condition: NOT (((('Peer State Cause'anyBit'Peer LAC Tx Fault') AND ('Peer State Cause'anyBit'Peer LAC Rx Fault'))))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 10-133 PersistentIndexParametersMisconfigured

Alarm	Attributes	Applicable major NE releases
Name: PersistentIndexParametersMisconfigured (173) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: persistentIndexConfigurationMismatch (136)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when persistence is set to Off in the NE BOF.		
Raising condition: (('Persistent SNMP Indices' EQUAL 'False') OR (('hasRedundantProcessorCards' EQUAL 'true') AND ('Redundant Synchronization Mode' EQUAL 'None')))		

(1 of 2)

10 – Alcatel-Lucent 7210 SAS X alarms

Alarm	Attributes	Applicable major NE releases
Clearing condition: (('Persistent SNMP Indices' EQUAL 'True') AND (('hasRedundantProcessorCards' EQUAL 'false') OR ('Redundant Synchronization Mode' NOT EQUAL 'None')))		
Remedial action: A configuration error has occurred that must be corrected. Use the CLI on the NE to enable persistency in the BOF. The discovery process will complete on the next discovery scan. A re-scan can be triggered immediately for the NE from within the discovery manager		

(2 of 2)

Table 10-134 PollerProblem

Alarm	Attributes	Applicable major NE releases
Name: PollerProblem (31) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: resyncFailed (24)	<ul style="list-style-type: none"> 4.0.0 5.0.0 6.0.0
Description: The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
Raising condition: ('Resync Status' EQUAL 'Full Resync Failed')		
Clearing condition: ('Resync Status' EQUAL 'Full Resync Done')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 10-135 PowerSupplyFailure

Alarm	Attributes	Applicable major NE releases
Name: PowerSupplyFailure (633) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: critical Implicitly cleared: true Default probable cause: powerSupplyFailure (117)	<ul style="list-style-type: none"> 4.0.0 5.0.0 6.0.0
Description: The alarm is raised when a power-supply tray reports a failure. When the alarm is raised during device discovery, a power-supply tray may be out of service. When the alarm is raised while the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
Raising condition: (('Power Supply 1 Status' EQUAL 'Not Equipped') OR ('Power Supply 1 Status' EQUAL 'Failed'))		
Clearing condition: (('Power Supply 1 Status' EQUAL 'OK'))		
Remedial action: Ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 10-136 PowerSupplyInputFeedDown

Alarm	Attributes	Applicable major NE releases
Name: PowerSupplyInputFeedDown (5422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: minor Implicitly cleared: true Default probable cause: powerSupplyInputFeedDown (2073)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: This alarm is generated if any one of the input feeds for a given power supply is not supplying power.		
Raising condition: (('Input Feed Status' EQUAL 'Input A Down') OR ('Input Feed Status' EQUAL 'Input B Down') OR (('Input Feed Status'allBits'Input A Down') AND ('Input Feed Status'allBits'Input B Down'))		
Clearing condition: ('Input Feed Status' EQUAL 'None')		
Remedial action: Restore all of the input feeds that are not supplying power.		

Table 10-137 PowerSupplyRemoved

Alarm	Attributes	Applicable major NE releases
Name: PowerSupplyRemoved (542) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: major Implicitly cleared: true Default probable cause: PowerSupplyRemoved (415)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a chassis power supply is removed.		
Raising condition: ('Power Supply 1 Status' EQUAL 'Not Equipped')		
Clearing condition: ('Power Supply 1 Status' NOT EQUAL 'Not Equipped')		
Remedial action: To recover from this event, the customer is requested to add a new power supply to the system, or change a faulty power supply with a working one.		

Table 10-138 PrimaryImageBootFailure

Alarm	Attributes	Applicable major NE releases
Name: PrimaryImageBootFailure (191) Type: configurationAlarm (11) Package: sw Raised on class: sw.CardSoftware	Severity: warning Implicitly cleared: true Default probable cause: bootOptionFileMisconfigured (150)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the primary software image specified in an NE BOF is unusable.		
Raising condition: (('imageSource' NOT EQUAL 'Primary') AND ('imageSource' NOT EQUAL 'Unknown'))		
Clearing condition: (('imageSource' EQUAL 'Primary') OR ('imageSource' EQUAL 'Unknown'))		
Remedial action: The SW image on the NE may have been inadvertently corrupted. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

Table 10-139 PrimaryPathLimitReached

Alarm	Attributes	Applicable major NE releases
Name: PrimaryPathLimitReached (457) Type: resourceAlarm (28) Package: equipment Raised on class: equipment.DaughterCard	Severity: warning Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the Ingress Multicast Path Management primary path bandwidth limit is reached.		
Raising condition: (('Primary Path Limit Override' > '0') AND ('Primary Path In use' >= (1000 * 'Primary Path Limit Override'))"		
Clearing condition: (('Primary Path Limit Override' > '0') AND ('Primary Path In use' < (1000 * 'Primary Path Limit Override'))"		
Remedial action: Informational - The alarm is raised when the Ingress Multicast Path Management primary path bandwidth limit is reached. This can be remedied by modifying the primary path limit located at T1 Paths tab of the multicast bandwidth policy which assigned to the card, or increase the primary path limit override located at the Daughter Card tab under Daughter Card Slot form.		

Table 10-140 PTPNotQualified

Alarm	Attributes	Applicable major NE releases
Name: PTPNotQualified (3611) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPNotQualified (1400)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when PTP on an NE is not in the Qualified state.		
Raising condition: (('Qualified For Use' EQUAL 'Not Qualified'))		
Clearing condition: (('Qualified For Use' NOT EQUAL 'Not Qualified'))		
Remedial action: Check the communication path is up between the local PTP slave clock and its selected master		

Table 10-141 PTPPeerLossOfAnnounce

Alarm	Attributes	Applicable major NE releases
Name: PTPPeerLossOfAnnounce (3608) Type: communicationsAlarm (4) Package: ptp Raised on class: ptp.IEEEPTPPeer	Severity: minor Implicitly cleared: true Default probable cause: PTPPeerLossOfAnnounce (1397)	<ul style="list-style-type: none"> • 5.0.0 • 6.0.0
Description: The alarm is raised when the PTP peer is in the 'Packet Timing Signal Fail (Loss Announce)' state. This indicates that the PTP announce messages are not received from the remote master.		
Raising condition: (('Master GM Alarms'anyBit'Loss of Announce'))		
Clearing condition: NOT (('Master GM Alarms'anyBit'Loss of Announce'))		
Remedial action: Please check if Configured Peer IP address is reachable (ping <Peer Ip>) from the this SR node and PTP configuration is proper.		

Table 10-142 PTPPeerLossOfSync

Alarm	Attributes	Applicable major NE releases
Name: PTPPeerLossOfSync (3609) Type: communicationsAlarm (4) Package: ptp Raised on class: ptp.IEEEPTPPeer	Severity: minor Implicitly cleared: true Default probable cause: PTPPeerLossOfSync (1398)	<ul style="list-style-type: none"> • 5.0.0 • 6.0.0
Description: The alarm is raised when the PTP peer is in the 'Packet Timing Signal Fail (Loss Sync)' state. This indicates that the PTP timing messages are not received from the remote master.		
Raising condition: (('Master GM Alarms'anyBit'Loss of Sync'))		
Clearing condition: NOT (('Master GM Alarms'anyBit'Loss of Sync'))		
Remedial action: Please check if Configured Peer IP address is reachable (ping <Peer Ip>) from the this SR node and PTP configuration is proper.		

Table 10-143 PTPReferenceLossOfSignal

Alarm	Attributes	Applicable major NE releases
Name: PTPReferenceLossOfSignal (3613) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPReferenceLossOfSignal (1402)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the PTP reference on an NE is not qualified due to Loss of Signal.		
Raising condition: (('Not Qualified Due To'anyBit'LOS'))		
Clearing condition: NOT (('Not Qualified Due To'anyBit'LOS'))		
Remedial action: Check the communication path is up between the local PTP slave clock and its selected master		

Table 10-144 PTPReferenceOutOfFrequency

Alarm	Attributes	Applicable major NE releases
Name: PTPReferenceOutOfFrequency (3614) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPReferenceOutOfFrequency (1403)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the PTP Reference on an NE is not qualified due to Out of frequency.		
Raising condition: (('Not Qualified Due To'anyBit'OOF'))		
Clearing condition: NOT (('Not Qualified Due To'anyBit'OOF'))		
Remedial action: Make sure that fequency configured for Reference One is correct.		

Table 10-145 PTPReferenceOutOfPollInRange

Alarm	Attributes	Applicable major NE releases
Name: PTPReferenceOutOfPollInRange (3615) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPReferenceOutOfPollInRange (1404)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the PTP Reference on an NE is not qualified state due to Out of poll in range.		
Raising condition: (('Not Qualified Due To'anyBit'OOPIR'))		
Clearing condition: NOT (((('Not Qualified Due To'anyBit'OOPIR'))))		
Remedial action: If there is packet flow, the PTP slave clock is in it's initial acquiring states where the sync-if-timing reference does not qualify just wait.		

Table 10-146 RadiusOperStatusDown

Alarm	Attributes	Applicable major NE releases
Name: RadiusOperStatusDown (3692) Type: radiusOperStatusDownAlarm (105) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: radiusOperationStatusDown (1431)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when all RADIUS servers have gone down.		
Raising condition: ('Global RADIUS Operational State' EQUAL 'Down')		
Clearing condition: ('Global RADIUS Operational State' EQUAL 'Up')		
Remedial action: Verify the RADIUS server is properly configured and radius server state is up. Check the connectivity between SAM server and radius server configured on the Network element.		

Table 10-147 ReachabilityProblem

Alarm	Attributes	Applicable major NE releases
Name: ReachabilityProblem (243) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ReachabilityTestFailed (176)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when an Mediation poll of the SysUpTimeAlarm object on an NE fails, for example, because of network congestion or because the NE is too busy to respond. The probable cause is an unreachable NE Mediation agent on the NE. By default, the 5620 SAM polls a managed NE every two minutes. If a poll fails, the alarm is raised. The 5620 SAM polls the NE two minutes after the first failure. If successive polls fail, the 5620 SAM raises the polling interval for the NE by two minutes after each failure to a maximum of 12 min. The polling interval remains at 12 min until the 5620 SAM receives a response from the NE. The alarm clears when the 5620 SAM receives a response from the NE, and the 5620 SAM GUI icon that represents the NE turns from red to green.		
Raising condition: ('SNMP Reachability' EQUAL 'Down')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

(2 of 2)

Table 10-148 ReconfigFailure

Alarm	Attributes	Applicable major NE releases
Name: ReconfigFailure (1949) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: failedReconfig (937)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: This alarm is raised when the reconfig action failed.		
Raising condition: ('State' EQUAL 'Failed')		
Clearing condition: ('State' NOT EQUAL 'Failed')		
Remedial action: Verify that the object is configured as expected.		

Table 10-149 RedundantMepMisconfiguration

Alarm	Attributes	Applicable major NE releases
Name: RedundantMepMisconfiguration (3631) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: minor Implicitly cleared: true Default probable cause: misconfiguredRedundantMep (1416)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when an Active and Redundant MEP do not have the same Id, Operational MAC Address or Sub Group configured.		
Raising condition: ('validRedundantMepConfig' EQUAL 'false')		
Clearing condition: ('validRedundantMepConfig' EQUAL 'true')		
Remedial action: MC-LAG redundant MEP configuration (MEP ID or Mac Address) for Active & Standby Interfaces do not match, this could cause issues with CFM or CCM tests if Active interface changes. Delete and Re-create Standby MEP to match Active.		

Table 10-150 RedundantMepMissing

Alarm	Attributes	Applicable major NE releases
Name: RedundantMepMissing (3632) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: minor Implicitly cleared: true Default probable cause: missingRedundantMep (1417)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a MEP misses a redundant counterpart on LAG or SAP.		
Raising condition: (('MC-LAG Inactive' NOT EQUAL 'Not Applicable') AND ('Redundant MEP' EQUAL '\'))		
Clearing condition: (('MC-LAG Inactive' EQUAL 'Not Applicable') OR (('MC-LAG Inactive' NOT EQUAL 'Not Applicable') AND ('Redundant MEP' NOT EQUAL '\')))		
Remedial action: MC-LAG redundant MEP is missing Active & Standby Interfaces, this will cause issues with CFM or CCM tests if Active interface changes. Create missing Active/Standby MEP to match existing.		

Table 10-151 RemoteMepCCMAAlarm

Alarm	Attributes	Applicable major NE releases
Name: RemoteMepCCMAAlarm (502) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: major Implicitly cleared: true Default probable cause: missingRemoteMep (388)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a MEP loses connectivity with one or more remote MEPs. The Remote MEP DB State tab on a MEP lists the missing remote MEPs.		
Raising condition: ('High-Priority Defect' NOT EQUAL '0')		
Clearing condition: ('High-Priority Defect' EQUAL '0')		
Remedial action: MEP has lost communication with Remote MEP defined in Maintenance Association (MEG) Remote MEP list, Either Remote MEP list is incorrect or diagnose connection fault and resolve.		

Table 10-152 RouteDistinguisherNotConfigured

Alarm	Attributes	Applicable major NE releases
Name: RouteDistinguisherNotConfigured (142) Type: configurationAlarm (11) Package: I3fwd Raised on class: I3fwd.ServiceSite	Severity: major Implicitly cleared: true Default probable cause: routeDistinguisherNotConfigured (113)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when no RD is configured for an L3 service site.		
Raising condition: ('routeDistinguisher' EQUAL '\00 00 00 00 00 00 00\')		
Clearing condition: ('routeDistinguisher' NOT EQUAL '\00 00 00 00 00 00 00\')		
Remedial action: A configuration error has occurred which must be corrected. The RD must be configured on the L3 Service Site in question.		

Table 10-153 RsvpDown

Alarm	Attributes	Applicable major NE releases
Name: RsvpDown (74) Type: ProtocolAlarm (1) Package: rsvp Raised on class: rsvp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when an RSVP site has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: The RSVP Site is down while it is administratively up. Please check MPLS is enabled and administratively up.		

Table 10-154 SaveConfigFailed

Alarm	Attributes	Applicable major NE releases
Name: SaveConfigFailed (105) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileAccessError (90)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the admin save command on an NE fails.		
Raising condition: ('Config Save State' EQUAL 'Failure')		
Clearing condition: ('Config Save State' EQUAL 'Success')		
Remedial action: Attempt the admin save command a second time. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 10-155 ScheduledPollerProblem

Alarm	Attributes	Applicable major NE releases
Name: ScheduledPollerProblem (4386) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: scheduledResyncFailed (1569)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
Raising condition: ('Scheduled Resync Status' EQUAL 'Scheduled Resync Failed')		
Clearing condition: ('Scheduled Resync Status' EQUAL 'Scheduled Resync Done')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 10-156 SdpBindingDown

Alarm	Attributes	Applicable major NE releases
Name: SdpBindingDown (221) Type: SdpBindingAlarm (30) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: SdpBindingNotReady (166)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when an SDP binding has an Operational State other than Up.		
Raising condition: (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'Standby For BGP Multi-Homing'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'Standby For BGP Multi-Homing'))		
Remedial action: To resolve this alarm check the SDP binding to determine if a configuration mismatch exists. If configuration is determined to be correct then the associated network interface may be down. Further investigation is required to determine why the underlying network interface is down.		

Table 10-157 SdpBindingTunnelDown

Alarm	Attributes	Applicable major NE releases
Name: SdpBindingTunnelDown (222) Type: CircuitAlarm (17) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: SdpTunnelNotReady (167)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when an SDP binding tunnel has an Operational State other than Up.		
Raising condition: (('Operational State' EQUAL 'Tunnel Not Ready') OR ('Operational State' EQUAL 'Tunnel Down'))		
Clearing condition: (('Operational State' NOT EQUAL 'Tunnel Not Ready') AND ('Operational State' NOT EQUAL 'Tunnel Down'))		
Remedial action: To resolve this alarm check the endpoints of the SDP binding to determine if a configuration mismatch exists. If configuration matches then the underlying network resource between the endpoints of the SDP may be down. Further investigation is required to determine why the underlying transport network is down.		

Table 10-158 SdpEgressIfsNetDomainInConsistent

Alarm	Attributes	Applicable major NE releases
Name: SdpEgressIfsNetDomainInConsistent (3616) Type: resourceAlarm (28) Package: svt Raised on class: svt.Tunnel	Severity: warning Implicitly cleared: true Default probable cause: sdpEgressIfsNetDomainInConsistent (1405)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the SDP egress interface's consistency state changes to inconsistent.		
Raising condition: ('Egress Interfaces Consistency State' EQUAL '3')		
Clearing condition: ('Egress Interfaces Consistency State' EQUAL '2')		
Remedial action: To resolve this alarm check egress interfaces of the SDP configuration. If configuration is determined to be correct check underlying physical transport. Further investigation is required.		

Table 10-159 SecondaryPathLimitReached

Alarm	Attributes	Applicable major NE releases
Name: SecondaryPathLimitReached (458) Type: resourceAlarm (28) Package: equipment Raised on class: equipment.DaughterCard	Severity: warning Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the Ingress Multicast Path Management secondary path bandwidth limit is reached.		
Raising condition: (('Secondary Path Limit Override' > '0') AND ('Secondary Path In use' >= (1000 * 'Secondary Path Limit Override'))"		
Clearing condition: (('Secondary Path Limit Override' > '0') AND ('Secondary Path In use' < (1000 * 'Secondary Path Limit Override'))"		
Remedial action: Informational - The alarm is raised when the Ingress Multicast Path Management secondary path bandwidth limit is reached. This can be remedied by modifying the secondary path limit located at T1 Paths tab of the multicast bandwidth policy which assigned to the card, or increase the secondary path limit override located at the Daughter Card tab under Daughter Card Slot form.		

Table 10-160 ServiceSiteDown

Alarm	Attributes	Applicable major NE releases
Name: ServiceSiteDown (97) Type: serviceAlarm (16) Package: service Raised on class: service.Site	Severity: critical Implicitly cleared: true Default probable cause: siteDown (83)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when all SAPs on a site are operationally down, or when the service tunnels for the site are operationally down.		
Raising condition: (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'All Spoke SDP Bindings are Standby'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'All Spoke SDP Bindings are Standby'))		
Remedial action: The network resources (i.e. physical ports for SAPs, or physical ports/LSP) associated with the service site should be examined to determine if/why they are operationally down. The underlying transport network supporting the site may also be unreliable.		

Table 10-161 SessionDown

Alarm	Attributes	Applicable major NE releases
Name: SessionDown (73) Type: ProtocolAlarm (1) Package: rsvp Raised on class: rsvp.Session	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when an RSVP session is operationally down.		
Raising condition: ('Operational State' EQUAL 'Down')		
Clearing condition: ('Operational State' EQUAL 'Up')		

(1 of 2)

10 – Alcatel-Lucent 7210 SAS X alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: Please check the RSVP session path to make sure all associated protocols/interfaces/connections are OK.		

(2 of 2)

Table 10-162 SingleSFMOverloadDetected

Alarm	Attributes	Applicable major NE releases
Name: SingleSFMOverloadDetected (843) Type: ProtocolAlarm (1) Package: I3fwd Raised on class: I3fwd.Site	Severity: major Implicitly cleared: true Default probable cause: singleSfmOverloadDetected (601)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a device reports a single-SFM overload. The alarm clears when the VR exits the Overload state.		
Raising condition: ('Overload State' EQUAL 'Overload')		
Clearing condition: ('Overload State' EQUAL 'Normal')		
Remedial action: Information - if the problem persists please contact Alcatel-Lucent support for assistance.		

Table 10-163 StatsRetrieveFailed

Alarm	Attributes	Applicable major NE releases
Name: StatsRetrieveFailed (244) Type: configurationAlarm (11) Package: sw Raised on class: sw.AccountingStatsRetrievalManager	Severity: major Implicitly cleared: false Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the 5620 SAM main or auxiliary server cannot transfer an accounting file from an NE.		
Raising condition: (('Stats Retrieval State' NOT EQUAL 'Success') AND ('Stats Retrieval State' NOT EQUAL 'Not Attempted'))		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy or otherwise cannot respond to the 5620 SAM main or auxiliary server.		

Table 10-164 StpExceptionCondition

Alarm	Attributes	Applicable major NE releases
Name: StpExceptionCondition (297) Type: AccessInterfaceAlarm (32) Package: I2fwd Raised on class: I2fwd.AccessInterfaceStp	Severity: major Implicitly cleared: true Default probable cause: StpException (228)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when a SAP detects an STP exception condition, for example, one-way communication or a downstream loop. The alarm clears when the STP condition changes.		
Raising condition: (('STP Exception Condition' NOT EQUAL 'None') AND ('Administrative State' EQUAL 'Up'))		
Clearing condition: (('STP Exception Condition' EQUAL 'None') OR ('Administrative State' EQUAL 'Down'))		
Remedial action: Check 'STP Exception Condition' field for more details and fix the STP exception.		

(2 of 2)

Table 10-165 StpRootGuardViolation

Alarm	Attributes	Applicable major NE releases
Name: StpRootGuardViolation (503) Type: AccessInterfaceAlarm (32) Package: I2fwd Raised on class: I2fwd.AccessInterfaceStp	Severity: warning Implicitly cleared: true Default probable cause: spanningTreeTopologyChanged (331)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a SAP detects an STP root guard violation.		
Raising condition: ('Root Guard Violation' EQUAL 'true')		
Clearing condition: ('Root Guard Violation' NOT EQUAL 'true')		
Remedial action: Set 'Root Guard' to false if not necessary.		

Table 10-166 SubscriberSystemNextHopUsageHigh

Alarm	Attributes	Applicable major NE releases
Name: SubscriberSystemNextHopUsageHigh (5157) Type: thresholdCrossed (6) Package: netw Raised on class: netw.NetworkElement	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit.		
Raising condition: ('IP Next Hop Usage High' EQUAL 'true')		
Clearing condition: ('IP Next Hop Usage High' EQUAL 'false')		
Remedial action: The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit. There is no immediate effect, but when the usage actually hits the limit, new hosts will not get their managed routes.		

Table 10-167 TemperatureThresholdCrossed

Alarm	Attributes	Applicable major NE releases
Name: TemperatureThresholdCrossed (7) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Environment	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a temperature crosses a threshold.		
Raising condition: ('temperatureThresholdCrossed' EQUAL 'true')		
Clearing condition: ('temperatureThresholdCrossed' EQUAL 'false')		
Remedial action: The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 10-168 TmnxEqPortEtherLoopDetected

Alarm	Attributes	Applicable major NE releases
Name: TmnxEqPortEtherLoopDetected (461) Type: portEtherLoopDetected (48) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a device detects a physical loop on an Ethernet port.		
Raising condition: (('Down When Looped Status' EQUAL 'Loop Detected'))		
Clearing condition: (('Down When Looped Status' EQUAL 'No Loop Detected'))		
Remedial action: An Ethernet port has been mis-cabled - please remove the loopback cable on the port.		

Table 10-169 TrapDestinationMisconfigured

Alarm	Attributes	Applicable major NE releases
Name: TrapDestinationMisconfigured (33) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: trapDestinationMisconfigured (26) Applicable probable causes: <ul style="list-style-type: none"> • trapDestinationMisconfigured • duplicateTrapLogId 	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the 5620 SAM cannot be added to the NE's SNMP trap destinations.		
Raising condition: ('isTrapDestinationMisconfigured' EQUAL 'true')		
Clearing condition: ('isTrapDestinationMisconfigured' EQUAL 'false')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: A configuration error has been made which must be corrected. The SNMP trap destination on the NE must be configured to the IP address of the SAM server.		

(2 of 2)

Table 10-170 TrapReceivingFailure

Alarm	Attributes	Applicable major NE releases
Name: TrapReceivingFailure (1083) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: false Default probable cause: trapsWillNotBeSent (822)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: This user-defined alarm is raised when the NE is unable to send traps because the NE configuration is one of the following: - The Management IP Selection is set to Out Of Band Only, the Primary Route Preference is set to In Band, and the Secondary Route Preference is set to None. - The Management IP Selection is set to In Band Only, the Primary Route Preference is set to Out Of Band, and the Secondary Route Preference is set to None.		
Raising condition: (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
Clearing condition: (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND (('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND (('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND (('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND (('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND (('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band'))))		
Remedial action: A configuration error has been made which must be corrected. The configuration error must be corrected per the discussion in the description for this alarm.		

Table 10-171 TrapRoutePreferenceRedundancyMissing

Alarm	Attributes	Applicable major NE releases
Name: TrapRoutePreferenceRedundancyMissing (1084) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: trapsRedundancyMissing (823)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The user-defined alarm is raised when NE management redundancy is configured without trap route preference redundancy.		

(1 of 2)

10 – Alcatel-Lucent 7210 SAS X alarms

Alarm	Attributes	Applicable major NE releases
Raising condition: (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
Clearing condition: (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Secondary Route Preference' NOT EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Secondary Route Preference' NOT EQUAL 'None'))))		
Remedial action: A configuration error has been made which must be corrected. The IP address of the standby SAM server must be configured on the NE in question.		

(2 of 2)

Table 10-172 TunnelAdministrativelyDown (mpls)

Alarm	Attributes	Applicable major NE releases
Name: TunnelAdministrativelyDown (523) Type: pathAlarm (12) Package: mpls Raised on class: mpls.Tunnel	Severity: minor Implicitly cleared: true Default probable cause: tunnelAdministrativelyDown (333)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the 5620 SAM detects that an MPLS path is administratively down.		
Raising condition: ('Administrative' NOT EQUAL 'Up')		
Clearing condition: ('Administrative' EQUAL 'Up')		
Remedial action: Turn up the corresponding MPLS path.		

Table 10-173 TunnelAdministrativelyDown (svt)

Alarm	Attributes	Applicable major NE releases
Name: TunnelAdministrativelyDown (523) Type: pathAlarm (12) Package: svt Raised on class: svt.Tunnel	Severity: minor Implicitly cleared: true Default probable cause: tunnelAdministrativelyDown (333)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the 5620 SAM detects that a service tunnel is administratively down.		
Raising condition: ('administrativeState' NOT EQUAL 'Up')		
Clearing condition: ('administrativeState' EQUAL 'Up')		
Remedial action: Informational - an operator has manually turned down a service tunnel.		

Table 10-174 TunnelDown (mpls)

Alarm	Attributes	Applicable major NE releases
Name: TunnelDown (30) Type: pathAlarm (12) Package: mpls Raised on class: mpls.Tunnel	Severity: warning Implicitly cleared: true Default probable cause: tunnelDown (23)	<ul style="list-style-type: none"> 4.0.0 5.0.0 6.0.0
Description: The alarm is raised when an MPLS path has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up'))		
Clearing condition: (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up'))		
Remedial action: Check the network resources along the path.		

Table 10-175 TunnelDown (svt)

Alarm	Attributes	Applicable major NE releases
Name: TunnelDown (30) Type: pathAlarm (12) Package: svt Raised on class: svt.AbstractTunnel	Severity: critical Implicitly cleared: true Default probable cause: tunnelDown (23)	<ul style="list-style-type: none"> 4.0.0 5.0.0 6.0.0
Description: The alarm is raised when the 5620 SAM detects that a service tunnel is operationally down.		
Raising condition: (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up'))		
Clearing condition: (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up'))		
Remedial action: This alarm indicates that a problem has been made in the underlying transport network. If the alarm persists or re-occurs frequently then investigation of the underlying transport issues is warranted.		

Table 10-176 UnidentifiedNode

Alarm	Attributes	Applicable major NE releases
Name: UnidentifiedNode (1922) Type: communicationsAlarm (4) Package: netw Raised on class: netw.DiscoveredNode	Severity: major Implicitly cleared: true Default probable cause: unidentifiedNode (922)	<ul style="list-style-type: none"> 4.0.0 5.0.0 6.0.0
Description: The alarm is raised when the node being discovered can not be properly identified.		
Raising condition: ('State' EQUAL 'Pending Identification')		
Clearing condition: ('State' NOT EQUAL 'Pending Identification')		
Remedial action: A configuration error has occurred that must be corrected. The eNodeB does not have a system name. The name can be configured by selecting the alarm, opening the associated properties form for the alarmed object and configuring the system name.		

Table 10-177 UnmanageFailed

Alarm	Attributes	Applicable major NE releases
Name: UnmanageFailed (300) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.NodeDiscoveryControl	Severity: warning Implicitly cleared: true Default probable cause: unableToDeleteNode (231)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when an attempt to unmanage an NE fails.		
Raising condition: ('Site State' EQUAL 'unmanage failed')		
Clearing condition: ('Site State' NOT EQUAL 'unmanage failed')		
Remedial action: Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 10-178 unsupportedPortUsage

Alarm	Attributes	Applicable major NE releases
Name: unsupportedPortUsage (5184) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: warning Implicitly cleared: true Default probable cause: incompatiblePortUsage (2100)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised in case unsupported port type is configured		
Raising condition: (('portId' >= '1L') AND ('portId' <= '4L') AND ('specificCardType' EQUAL 'EASv2') AND (('Port Usage' EQUAL 'MPT-HC') OR ('Port Usage' EQUAL 'MPT-MC')))"		
Clearing condition: NOT (((('portId' >= '1L') AND ('portId' <= '4L') AND ('specificCardType' EQUAL 'EASv2') AND (('Port Usage' EQUAL 'MPT-HC') OR ('Port Usage' EQUAL 'MPT-MC')))))"		
Remedial action: This alarm indicates unsupported port usage. Port usage configured on the NE is not supported by SAM.		

Table 10-179 UpgradedBuildVersionMismatch

Alarm	Attributes	Applicable major NE releases
Name: UpgradedBuildVersionMismatch (174) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: upgradedImageNotBooted (137)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the software version that an NE reports after a software upgrade does not match the version of the software used for the upgrade.		
Raising condition: ('upgradedBuildVersionMismatch' EQUAL 'true')		
Clearing condition: ('upgradedBuildVersionMismatch' EQUAL 'false')		
Remedial action: Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 10-180 upgradedCardAlarm

Alarm	Attributes	Applicable major NE releases
Name: upgradedCardAlarm (255) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: upgradedCard (194)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the standby CPM is rebooted and operational after a software upgrade. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
Raising condition: ('operationalState' EQUAL 'Upgrade')		
Clearing condition: ('operationalState' EQUAL 'Up')		
Remedial action: Informational - no corrective action required.		

Table 10-181 VersionConfigRestoreFailed

Alarm	Attributes	Applicable major NE releases
Name: VersionConfigRestoreFailed (536) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: versionMismatch (405)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when the restore procedure on an NE fails because of a mismatch between the backup file set version and the NE software version.		
Raising condition: ('lastNmsVersionRestoreState' EQUAL 'Failure')		
Clearing condition: ('lastNmsVersionRestoreState' EQUAL 'Success')		
Remedial action: The backup files being restored do not match with the version of node software release. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

Table 10-182 VirtualLinkDown

Alarm	Attributes	Applicable major NE releases
Name: VirtualLinkDown (122) Type: VirtualLinkAlarm (21) Package: ospf Raised on class: ospf.VirtualLink	Severity: warning Implicitly cleared: true Default probable cause: VirtualLinkDown (104)	<ul style="list-style-type: none"> • 4.0.0 • 5.0.0 • 6.0.0
Description: The alarm is raised when a virtual link is Down.		
Raising condition: ('Operational State' EQUAL 'Down')		
Clearing condition: ('Operational State' NOT EQUAL 'Down')		

(1 of 2)

10 – Alcatel-Lucent 7210 SAS X alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: This alarm is raised when the OSPF virtual link is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

(2 of 2)

Table 10-183 VirtualNeighborDown

Alarm	Attributes	Applicable major NE releases
Name: VirtualNeighborDown (123) Type: VirtualNeighborDown (22) Package: ospf Raised on classes: <ul style="list-style-type: none"> ospf.ShamLink ospf.VirtualLink 	Severity: warning Implicitly cleared: true Default probable cause: VirtualNeighborDown (105)	<ul style="list-style-type: none"> 4.0.0 5.0.0 6.0.0
Description: The alarm is raised when a neighbor virtual link is operationally down.		
Raising condition: ('neighborCount' EQUAL '0L')		
Clearing condition: ('neighborCount' NOT EQUAL '0L')		
Remedial action: This alarm is raised when the OSPF neighbor virtual link is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 10-184 WrongCpaaSoftwareVersion

Alarm	Attributes	Applicable major NE releases
Name: WrongCpaaSoftwareVersion (791) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: wrongCpaaSoftwareVersion (559)	<ul style="list-style-type: none"> 4.0.0 5.0.0 6.0.0
Description: The alarm is raised when the 7701 CPAA software is the wrong version and requires an upgrade.		
Raising condition: (('Software Version' EQUAL "\"TIMOS-B-3.0.Generic \") AND ('Chassis Type' EQUAL '7701 CPAA'))		
Clearing condition: (('Software Version' NOT EQUAL "\"TIMOS-B-3.0.Generic \") AND ('Chassis Type' EQUAL '7701 CPAA'))		
Remedial action: The SW version of the CPAA must be upgraded to the version compatible with CPAM version.		

Table 10-185 XplError

Alarm	Attributes	Applicable major NE releases
Name: XplError (573) Type: hardwareAnomaly (55) Package: equipment Raised on class: equipment.DaughterCard	Severity: minor Implicitly cleared: true Default probable cause: xplError (443)	<ul style="list-style-type: none">• 4.0.0• 5.0.0• 6.0.0
Description: The alarm is raised when an MDA reports persistent XPL Errors.		
Raising condition: ('Number Of Notifications' NOT EQUAL '0')		
Clearing condition: ('Number Of Notifications' EQUAL '0')		
Remedial action: Informational - if the condition persists then the MDA indicated in the alarm should be replaced.		

11 — Alcatel-Lucent 7450 ESS alarms



Note — Some alarms that the 5620 SAM can raise against this device may not be listed in this chapter. Associating alarms with specific NE types is an ongoing Alcatel-Lucent effort. If the 5620 SAM raises an alarm against this device type, and the alarm is not described in this chapter, see chapter 35 for information about the alarm.

Table 11-1 AaPolicerResourcesExceeded

Alarm	Attributes	Applicable major NE releases
Name: AaPolicerResourcesExceeded (2930) Type: configurationAlarm (11) Package: aapolicy Raised on class: aapolicy.AaSubOvrd	Severity: warning Implicitly cleared: false Default probable cause: AaPolicerResourcesExceeded (1124)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when Application Assurance configured override values exceed policer resources.		
Raising condition: (('Policer Resource Status' EQUAL 'Exceeded'))		
Clearing condition: (('Policer Resource Status' NOT EQUAL 'Exceeded'))		
Remedial action: The Application Assurance Subscriber Policy override(s) configuration has exceeded the policer resources. Remove overrides of a policy configuration for an Application Assurance subscriber where this may be occurring. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 11-2 AarpDown

Alarm	Attributes	Applicable major NE releases
Name: AarpDown (3704) Type: AarpDown (107) Package: aapolicy Raised on class: aapolicy.Aarp	Severity: major Implicitly cleared: true Default probable cause: aarpDown (1444)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0
Description: The alarm is raised when the 5620 SAM detects that an AARP is operationally down.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: The application assurance redundancy protocol is down either because it is administratively disabled, faulty or a peer address is not up. Ensure that the AARP is administratively up, and the peer ip address and this ip address points to each other.		

Table 11-3 AarpInterfaceDown

Alarm	Attributes	Applicable major NE releases
Name: AarpInterfaceDown (3904) Type: AarpInterfaceDown (111) Package: service Raised on class: service.AarpInterface	Severity: major Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0
Description: The alarm is raised when the 5620 SAM detects that an AARP interface is operationally down.		
Raising condition: (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
Clearing condition: (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
Remedial action: The condition exists because the physical interface is down either because it is administratively disabled, faulty or a cabling fault has occurred. Ensure that the interface is administratively up. Check for a poor cable connection to the port or for a faulty cable/fiber. If neither appears to be the problem run diagnostics on the port to determine if it is faulty.		

Table 11-4 AccessInterfaceDown

Alarm	Attributes	Applicable major NE releases
Name: AccessInterfaceDown (249) Type: AccessInterfaceAlarm (32) Package: service Raised on class: service.AccessInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an L2 or L3 interface operational state is Down. The alarm is not raised against an L2 access interface that is associated with an MC ring or MC LAG in the standby state.		
Raising condition: (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'Standby For MC-Ring') AND ('State Cause' NOT EQUAL 'Standby For MC-Lag') AND ('State Cause' NOT EQUAL 'Standby For BGP Multi-homing'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'Standby For MC-Ring') OR ('State Cause' EQUAL 'Standby For MC-Lag') OR ('State Cause' EQUAL 'Standby For BGP Multi-homing'))		

(1 of 2)

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

(2 of 2)

Table 11-5 ActiveAbnormalCondition

Alarm	Attributes	Applicable major NE releases
Name: ActiveAbnormalCondition (3938) Type: activeAbnormalConditionAlarm (116) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ActiveAbnormalConditionState (1520)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is an indication for abnormal condition on NE.		
Raising condition: ('abnormalCondition' EQUAL 'true')		
Clearing condition: ('abnormalCondition' EQUAL 'false')		
Remedial action: This alarm is raised when there is a abnormal state indication on NE.		

Table 11-6 AGWDiameterPeerDown

Alarm	Attributes	Applicable major NE releases
Name: AGWDiameterPeerDown (844) Type: EpcAlarm (59) Package: lte Raised on class: lte.AGWDiameterPeer	Severity: variable Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the path management state of a Diameter peer changes to a state other than Up.		
Raising condition: ('Path Diameter Management State' NOT EQUAL 'Active')		
Clearing condition: ('Path Diameter Management State' EQUAL 'Active')		
Remedial action: A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

11 – Alcatel-Lucent 7450 ESS alarms

Table 11-7 AncillaryPathLimitReached

Alarm	Attributes	Applicable major NE releases
Name: AncillaryPathLimitReached (459) Type: resourceAlarm (28) Package: equipment Raised on class: equipment.DaughterCard	Severity: warning Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the Ingress Multicast Path Management ancillary path bandwidth limit is reached.		
Raising condition: (('Ancillary Path Limit Override' > '0') AND ('Ancillary Path In use' >= " (1000 * 'Ancillary Path Limit Override')"))		
Clearing condition: (('Ancillary Path Limit Override' > '0') AND ('Ancillary Path In use' < (1000 * 'Ancillary Path Limit Override')))		
Remedial action: Informational - The alarm is raised when the Ingress Multicast Path Management ancillary path bandwidth limit is reached. This can be remedied by modifying the ancillary path limit located at T1 Paths tab of the multicast bandwidth policy which assigned to the card, or increase the ancillary path limit override located at the Daughter Card tab under Daughter Card Slot form.		

Table 11-8 AreaTypeMismatch

Alarm	Attributes	Applicable major NE releases
Name: AreaTypeMismatch (38) Type: configurationAlarm (11) Package: ospf Raised on class: ospf.Area	Severity: warning Implicitly cleared: true Default probable cause: areaTypeMisconfigured (34)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an OSPF area on one NE is configured as an NSSA and the same OSPF area on another NE is configured as a stub area.		
Raising condition: ('Type Mismatch' EQUAL 'true')		
Clearing condition: ('Type Mismatch' EQUAL 'false')		
Remedial action: A configuration error has been made which must be corrected. The OSPF area type configured for the NE does not match with the same OSPF area configured on another NE. Compare the configuration on the endpoint and correct the mismatch.		

Table 11-9 AsymmetricalConfig (lag)

Alarm	Attributes	Applicable major NE releases
Name: AsymmetricalConfig (295) Type: configurationAlarm (11) Package: lag Raised on classes: <ul style="list-style-type: none"> • lag.MultiChassisLag • lag.MultiChassisLagMember 	Severity: major Implicitly cleared: true Default probable cause: asymmetricalConfig (226)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the members of an MC LAG do not have matching configurations.		
Raising condition: ('configMismatches' NOT EQUAL '0L')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: ('configMismatches' EQUAL '0L')		
Remedial action: Check configurations on both members to see anything not matched.		

(2 of 2)

Table 11-10 AsymmetricalConfig (multichassis)

Alarm	Attributes	Applicable major NE releases
Name: AsymmetricalConfig (295) Type: configurationAlarm (11) Package: multichassis Raised on classes: <ul style="list-style-type: none"> multichassis.AbstractMultiChassisLag multichassis.MultiChassisLagMember multichassis.AbstractMultiChassisPeer 	Severity: major Implicitly cleared: true Default probable cause: asymmetricalConfig (226)	<ul style="list-style-type: none"> 10.0 11.0 12.0 9.0
Description: The alarm is raised when there is a peer configuration mismatch that prevents MC operation.		
Raising condition: ('Config Mismatches' NOT EQUAL '0L')		
Clearing condition: ('Config Mismatches' EQUAL '0L')		
Remedial action: Check configurations on both members to see anything not matched.		

Table 11-11 AuthKeyConflict (rsvp)

Alarm	Attributes	Applicable major NE releases
Name: AuthKeyConflict (5188) Type: processingErrorAlarm (81) Package: rsvp Raised on class: rsvp.AuthenticationKey	Severity: warning Implicitly cleared: true Default probable cause: AuthKeyConflict (2103)	<ul style="list-style-type: none"> 10.0 11.0 12.0 9.0
Description: The alarm is raised when both Authentication Key and RSVP Keychain are configured. RSVP Keychain will be used.		
Raising condition: (('RSVP Keychain' NOT EQUAL '') AND ('enableAuthentication' EQUAL 'true'))		
Clearing condition: (('RSVP Keychain' EQUAL '') OR ('enableAuthentication' NOT EQUAL 'true'))		
Remedial action: Authentication Key and RSVP Keychain are both configured. RSVP Keychain will be used. The alarm is cleared when only one is configured.		

11 – Alcatel-Lucent 7450 ESS alarms

Table 11-12 AuxiliaryServerStatus

Alarm	Attributes	Applicable major NE releases
Name: AuxiliaryServerStatus (311) Type: communicationsAlarm (4) Package: server Raised on class: server.AuxiliaryServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a 5620 SAM main server cannot communicate with an auxiliary server. The alarm clears when communication is restored.		
Raising condition: ('Server Status' EQUAL 'Down')		
Clearing condition: ('Server Status' EQUAL 'Up')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the AUX and SAM servers is unreliable.		

Table 11-13 BerLineSignalDegradation

Alarm	Attributes	Applicable major NE releases
Name: BerLineSignalDegradation (88) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: berLineSignalDegradation (74)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a SONET port reports a line signal degradation BER error. The alarm corresponds to the lb2er-sd alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'BER Line Signal Degradation') AND ('Report Alarms'anyBit'BER Line Signal Degradation'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'BER Line Signal Degradation') AND ('Report Alarms'anyBit'BER Line Signal Degradation'))))		
Remedial action: Informational only.		

Table 11-14 BerLineSignalFailure

Alarm	Attributes	Applicable major NE releases
Name: BerLineSignalFailure (89) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: berLineSignalFailure (75)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a SONET port reports a line signal degradation BER error. The alarm corresponds to the lb2er-sf alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'BER Line Signal Failure') AND ('Report Alarms'anyBit'BER Line Signal Failure'))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: NOT (((('Outstanding Alarms'anyBit'BER Line Signal Failure') AND ('Report Alarms'anyBit'BER Line Signal Failure'))))		
Remedial action: Informational only.		

(2 of 2)

Table 11-15 BfdInterfaceConnectionBroken

Alarm	Attributes	Applicable major NE releases
Name: BfdInterfaceConnectionBroken (3329) Type: serviceAlarm (16) Package: vrrp Raised on class: vrrp.BfdInterface	Severity: minor Implicitly cleared: true Default probable cause: bfdSessionConnectionBroken (593)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the BFD connection to a peer times out.		
Raising condition: ('Operational State' EQUAL 'Timed Out')		
Clearing condition: ('Operational State' NOT EQUAL 'Timed Out')		
Remedial action: Check the peer router, fix the BFD connection		

Table 11-16 BfdInterfaceConnectionDown

Alarm	Attributes	Applicable major NE releases
Name: BfdInterfaceConnectionDown (3330) Type: serviceAlarm (16) Package: vrrp Raised on class: vrrp.BfdInterface	Severity: minor Implicitly cleared: true Default probable cause: bfdSessionDown (346)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the Operational State of a BFD session is Not Connected.		
Raising condition: ('Operational State' NOT EQUAL 'Operational')		
Clearing condition: ('Operational State' EQUAL 'Operational')		
Remedial action: Check the BFD interface configuration, fix the BFD connection		

Table 11-17 BfdInterfaceConnectionPeerDetectsDown

Alarm	Attributes	Applicable major NE releases
Name: BfdInterfaceConnectionPeerDetectsDown (3331) Type: serviceAlarm (16) Package: vrrp Raised on class: vrrp.BfdInterface	Severity: minor Implicitly cleared: true Default probable cause: bfdSessionConnectionPeerDetectsDown (594)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a BFD peer detects a connection timeout.		
Raising condition: ('Operational State' EQUAL 'Down')		
Clearing condition: ('Operational State' NOT EQUAL 'Down')		
Remedial action: Fix the BFD connection		

Table 11-18 BgpDown

Alarm	Attributes	Applicable major NE releases
Name: BgpDown (6) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a BGP instance has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: The BGP protocol entity is down - administratively disable BGP and re-enable. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 11-19 BITS2NotQualified

Alarm	Attributes	Applicable major NE releases
Name: BITS2NotQualified (1941) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: timingReferenceNotQualified (418)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the BITS-2 timing reference on an NE is not in the Qualified state.		
Raising condition: (('Qualified For Use' EQUAL 'Not Qualified') AND ('Input Administrative State' NOT EQUAL 'Down'))		
Clearing condition: (('Qualified For Use' NOT EQUAL 'Not Qualified') OR ('Input Administrative State' EQUAL 'Down'))		
Remedial action: Make sure that BITS2 is qualified		

Table 11-20 BITSNotQualified

Alarm	Attributes	Applicable major NE releases
Name: BITSNotQualified (547) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: timingReferenceNotQualified (418)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the BITS timing reference on an NE is not in the Qualified state.		
Raising condition: (('Qualified For Use' EQUAL 'Not Qualified') AND ('Output Administrative State' NOT EQUAL 'Down'))		
Clearing condition: (('Qualified For Use' NOT EQUAL 'Not Qualified') OR ('Output Administrative State' EQUAL 'Down'))		
Remedial action: Make sure that BITS is qualified		

Table 11-21 BITSReferenceLossOfSignal

Alarm	Attributes	Applicable major NE releases
Name: BITSReferenceLossOfSignal (1950) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: BITSReferenceLossOfSignal (938)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the BITS reference on an NE is not qualified due to Loss of Signal.		
Raising condition: (('Not Qualified Due To'anyBit'LOS'))		
Clearing condition: NOT (('Not Qualified Due To'anyBit'LOS'))		
Remedial action: Make sure that peer connected to BITS is properly configured.		

Table 11-22 BITSReferenceOutOfFrequency

Alarm	Attributes	Applicable major NE releases
Name: BITSReferenceOutOfFrequency (1951) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: BITSReferenceOutOfFrequency (939)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the BITS Reference on an NE is not qualified due to Out of frequency.		
Raising condition: (('Not Qualified Due To'anyBit'OOF'))		
Clearing condition: NOT (('Not Qualified Due To'anyBit'OOF'))		
Remedial action: Make sure that frequency configured for BITS is correct.		

Table 11-23 BITSReferenceOutOfPollInRange

Alarm	Attributes	Applicable major NE releases
Name: BITSReferenceOutOfPollInRange (1952) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: BITSReferenceOutOfPollInRange (940)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the BITS Reference on an NE is not qualified state due to Out of poll in range.		
Raising condition: (('Not Qualified Due To'anyBit'OOPIR'))		
Clearing condition: NOT (('Not Qualified Due To'anyBit'OOPIR'))		
Remedial action: Check the BITS is configured correctly. Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary		

Table 11-24 BootableConfigBackupFailed

Alarm	Attributes	Applicable major NE releases
Name: BootableConfigBackupFailed (103) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the 5620 SAM fails to back up a set of NE configuration files.		
Raising condition: ('Backup State' EQUAL 'Failure')		
Clearing condition: ('Backup State' EQUAL 'Success')		
Remedial action: Investigation is required to resolve the following possible scenarios: insufficient disk space is available to accommodate the NE configuration files (additional SAM platform alarms will accompany this alarm); the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

Table 11-25 BootableConfigRestoreFailed

Alarm	Attributes	Applicable major NE releases
Name: BootableConfigRestoreFailed (104) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the 5620 SAM fails to restore a set of NE configuration files.		
Raising condition: ('Restore State' EQUAL 'Failure')		
Clearing condition: ('Restore State' EQUAL 'Success')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: Investigation is required to resolve the following possible scenarios: the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

(2 of 2)

Table 11-26 BootParametersMisconfigured

Alarm	Attributes	Applicable major NE releases
Name: BootParametersMisconfigured (35) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: persistentIndexFailure (30) Applicable probable causes: <ul style="list-style-type: none"> • persistentIndexFailure • configFileBootFailure 	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the SNMP Index Boot Status on an NE is not set to Persistent.		
Raising condition: (('isGenericNode' EQUAL 'false') AND ('State' NOT EQUAL 'Pre-provisioned') AND (('Config File Status' NOT EQUAL 'Executed Successfully') OR ('Persistent Index Status' NOT EQUAL 'Rebuild Succeeded')))		
Clearing condition: (('Config File Status' EQUAL 'Executed Successfully') AND ('Persistent Index Status' EQUAL 'Rebuild Succeeded'))		
Remedial action: Ensure that "SNMP Index Boot Status" is persistent (using cli command "show system information" on the NE). If not, unmanage the network element from SAM, ensure that "persist on" is set in the bof file, save the bof, save a config file, verify that an index file (.ndx) is saved as well, reboot the router, verify that SNMP Index Boot Status is persistent and finally remanage the router from SAM.		

Table 11-27 BundleDown

Alarm	Attributes	Applicable major NE releases
Name: BundleDown (152) Type: equipmentAlarm (3) Package: bundle Raised on class: bundle.Interface	Severity: critical Implicitly cleared: true Default probable cause: bundleDown (128)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the bundle Administrative State is Up and the Operational State is Down.		
Raising condition: (('Protection Type' EQUAL 'None') AND ('Administrative State' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up') AND ('specificCardType' NOT EQUAL '16 x E1 (ASAP)'))		
Clearing condition: (('Protection Type' NOT EQUAL 'None') OR ('operationalState' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: Informational - no corrective action required.		

Table 11-28 CcagDown

Alarm	Attributes	Applicable major NE releases
Name: CcagDown (210) Type: equipmentAlarm (3) Package: ccag Raised on class: ccag.CrossConnectAggregationGroup	Severity: major Implicitly cleared: true Default probable cause: CcagDown (163)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the CCAG Administrative State is Up and the Operational State is Down.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: Informational - no corrective action required.		

Table 11-29 CesBfrOverrun

Alarm	Attributes	Applicable major NE releases
Name: CesBfrOverrun (448) Type: communicationsAlarm (4) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: major Implicitly cleared: true Default probable cause: bufferOverrun (322)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the 5620 SAM detects a jitter buffer overrun.		
Raising condition: (('Report Alarm Status'anyBit'Buffer Overrun') AND ('Report Alarm'anyBit'Buffer Overrun'))		
Clearing condition: NOT (((('Report Alarm Status'anyBit'Buffer Overrun') AND ('Report Alarm'anyBit'Buffer Overrun'))))		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 11-30 CesBfrUnderrun

Alarm	Attributes	Applicable major NE releases
Name: CesBfrUnderrun (449) Type: communicationsAlarm (4) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: major Implicitly cleared: true Default probable cause: bufferOverrun (322)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the 5620 SAM detects a jitter buffer underrun.		
Raising condition: (('Report Alarm Status'anyBit'Buffer Underrun') AND ('Report Alarm'anyBit'Buffer Underrun'))		
Clearing condition: NOT (((('Report Alarm Status'anyBit'Buffer Underrun') AND ('Report Alarm'anyBit'Buffer Underrun'))))		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 11-31 CesMalformedPkts

Alarm	Attributes	Applicable major NE releases
Name: CesMalformedPkts (446) Type: communicationsAlarm (4) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: major Implicitly cleared: true Default probable cause: malformedPackets (320)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the 5620 SAM detects one or more malformed packets.		
Raising condition: (('Report Alarm Status'anyBit'Malformed Packets') AND ('Report Alarm'anyBit'Malformed Packets'))		
Clearing condition: NOT (((('Report Alarm Status'anyBit'Malformed Packets') AND ('Report Alarm'anyBit'Malformed Packets'))		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 11-32 CesPktLoss

Alarm	Attributes	Applicable major NE releases
Name: CesPktLoss (447) Type: communicationsAlarm (4) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: major Implicitly cleared: true Default probable cause: lossOfPacket (321)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the 5620 SAM detects a packet loss.		
Raising condition: (('Report Alarm Status'anyBit'Packet Loss') AND ('Report Alarm'anyBit'Packet Loss'))		
Clearing condition: NOT (((('Report Alarm Status'anyBit'Packet Loss') AND ('Report Alarm'anyBit'Packet Loss'))		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 11-33 CesRmtPktLoss

Alarm	Attributes	Applicable major NE releases
Name: CesRmtPktLoss (450) Type: communicationsAlarm (4) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: minor Implicitly cleared: true Default probable cause: farEndLossOfPacket (323)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the 5620 SAM detects a remote packet loss.		
Raising condition: (('Report Alarm Status'anyBit'Remote Packet Loss') AND ('Report Alarm'anyBit'Remote Packet Loss'))		
Clearing condition: NOT (((('Report Alarm Status'anyBit'Remote Packet Loss') AND ('Report Alarm'anyBit'Remote Packet Loss'))		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

11 – Alcatel-Lucent 7450 ESS alarms

Table 11-34 CesRmtRdi

Alarm	Attributes	Applicable major NE releases
Name: CesRmtRdi (452) Type: configurationAlarm (11) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: minor Implicitly cleared: false Default probable cause: farEndRdi (325)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the 5620 SAM detects a remote RDI.		
Raising condition: (('Report Alarm Status'anyBit'Remote RDI') AND ('Report Alarm'anyBit'Remote RDI'))		
Clearing condition: NOT (((('Report Alarm Status'anyBit'Remote RDI') AND ('Report Alarm'anyBit'Remote RDI'))))		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 11-35 CesRmtTdmFault

Alarm	Attributes	Applicable major NE releases
Name: CesRmtTdmFault (451) Type: configurationAlarm (11) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: minor Implicitly cleared: false Default probable cause: tdmFarEndFault (324)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the 5620 SAM detects a remote TDM fault.		
Raising condition: (('Report Alarm Status'anyBit'Remote TDM Fault') AND ('Report Alarm'anyBit'Remote TDM Fault'))		
Clearing condition: NOT (((('Report Alarm Status'anyBit'Remote TDM Fault') AND ('Report Alarm'anyBit'Remote TDM Fault'))))		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 11-36 CesStrayPkts

Alarm	Attributes	Applicable major NE releases
Name: CesStrayPkts (445) Type: communicationsAlarm (4) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: minor Implicitly cleared: true Default probable cause: strayPackets (319)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the 5620 SAM detects received stray packets.		
Raising condition: (('Report Alarm Status'anyBit'Stray Packets') AND ('Report Alarm'anyBit'Stray Packets'))		
Clearing condition: NOT (((('Report Alarm Status'anyBit'Stray Packets') AND ('Report Alarm'anyBit'Stray Packets'))))		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 11-37 CircuitStpExceptionCondition

Alarm	Attributes	Applicable major NE releases
Name: CircuitStpExceptionCondition (648) Type: SdpBindingAlarm (30) Package: l2fwd Raised on class: l2fwd.CircuitStp	Severity: major Implicitly cleared: true Default probable cause: StpException (228)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an NE detects an STP exception condition on a SAP, for example, one-way communication or a downstream loop. The alarm clears when the STP status changes.		
Raising condition: (('STP Exception Condition' NOT EQUAL 'None') AND ('Administrative State' EQUAL 'Up'))		
Clearing condition: (('STP Exception Condition' EQUAL 'None') OR ('Administrative State' EQUAL 'Down'))		
Remedial action: Check 'STP Exception Condition' field for more details and fix the STP exception.		

Table 11-38 ClientDelegateServerStatus

Alarm	Attributes	Applicable major NE releases
Name: ClientDelegateServerStatus (731) Type: communicationsAlarm (4) Package: server Raised on class: server.ClientDelegateServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a client delegate server is unreachable.		
Raising condition: ('Server Status' EQUAL 'Down')		
Clearing condition: ('Server Status' EQUAL 'Up')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the client delegate platform and SAM servers is unreliable or the client delegate server itself is unreliable.		

Table 11-39 CoherentOpticalModuleFault

Alarm	Attributes	Applicable major NE releases
Name: CoherentOpticalModuleFault (4612) Type: communicationsAlarm (4) Package: ethernetEquipment Raised on class: ethernetEquipment.CoherentOpticalCfgr	Severity: major Implicitly cleared: true Default probable cause: ModuleFault (1881)	<ul style="list-style-type: none"> • 11.0 • 12.0
Description: The alarm is raised when a device reports module fault on a coherent optical interface.		
Raising condition: (('Configured Alarms'anyBit'Module Fault') AND ('Reported Alarms'anyBit'Module Fault'))		
Clearing condition: NOT (('Configured Alarms'anyBit'Module Fault') AND ('Reported Alarms'anyBit'Module Fault'))		
Remedial action: Module Fault occurred.		

Table 11-40 CoherentOpticalModuleHostTxFault

Alarm	Attributes	Applicable major NE releases
Name: CoherentOpticalModuleHostTxFault (4613) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.CoherentOpticalCfg	Severity: major Implicitly cleared: true Default probable cause: CoherentModuleHostTxFault (1882)	<ul style="list-style-type: none"> • 11.0 • 12.0
Description: The alarm is raised when a device reports Host Tx Fault on a coherent optical interface.		
Raising condition: (('Configured Alarms'anyBit'Host (Electrical Side) Transmit') AND ('Reported Alarms'anyBit'Host (Electrical Side) Transmit'))		
Clearing condition: NOT (('Configured Alarms'anyBit'Host (Electrical Side) Transmit') AND ('Reported Alarms'anyBit'Host (Electrical Side) Transmit'))		
Remedial action: Module Host Tx Fault occurred.		

Table 11-41 CoherentOpticalModuleReferenceLockLoss

Alarm	Attributes	Applicable major NE releases
Name: CoherentOpticalModuleReferenceLockLoss (4614) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.CoherentOpticalCfg	Severity: major Implicitly cleared: true Default probable cause: ReferenceLockLoss (1883)	<ul style="list-style-type: none"> • 11.0 • 12.0
Description: The alarm is raised when a device reports loss of reference lock signal on a coherent optical interface.		
Raising condition: (('Configured Alarms'anyBit'Module') AND ('Reported Alarms'anyBit'Module'))		
Clearing condition: NOT (('Configured Alarms'anyBit'Module') AND ('Reported Alarms'anyBit'Module'))		
Remedial action: Loss of reference lock.		

Table 11-42 CoherentOpticalModuleRxFault

Alarm	Attributes	Applicable major NE releases
Name: CoherentOpticalModuleRxFault (4615) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.CoherentOpticalCfg	Severity: critical Implicitly cleared: true Default probable cause: CoherentModuleRxFault (1884)	<ul style="list-style-type: none"> • 11.0 • 12.0
Description: The alarm is raised when a device reports Rx Fault on a coherent optical interface.		
Raising condition: (('Configured Alarms'anyBit'Network (Optical Side) Receive') AND ('Reported Alarms'anyBit'Network (Optical Side) Receive'))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: NOT (((('Configured Alarms'anyBit'Network (Optical Side) Receive') AND ('Reported Alarms'anyBit'Network (Optical Side) Receive'))))		
Remedial action: Module Rx Fault occurred.		

(2 of 2)

Table 11-43 CoherentOpticalModuleTxFault

Alarm	Attributes	Applicable major NE releases
Name: CoherentOpticalModuleTxFault (4616) Type: communicationsAlarm (4) Package: ethernetEquipment Raised on class: ethernetEquipment.CoherentOpticalCfg	Severity: major Implicitly cleared: true Default probable cause: CoherentModuleTxFault (1885)	<ul style="list-style-type: none"> • 11.0 • 12.0
Description: The alarm is raised when a device reports Tx Fault on a coherent optical interface.		
Raising condition: (((('Configured Alarms'anyBit'Network (Optical Side) Transmit') AND ('Reported Alarms'anyBit'Network (Optical Side) Transmit'))))		
Clearing condition: NOT (((('Configured Alarms'anyBit'Network (Optical Side) Transmit') AND ('Reported Alarms'anyBit'Network (Optical Side) Transmit'))))		
Remedial action: Module Tx Fault occurred.		

Table 11-44 ConfigurationRescueFileDeleteStatus

Alarm	Attributes	Applicable major NE releases
Name: ConfigurationRescueFileDeleteStatus (3894) Type: configurationRescueAlarm (109) Package: rollback Raised on class: rollback.RollbackNEInfo	Severity: info Implicitly cleared: false Default probable cause: configurationRescueFileDeleteOperationPerformed (1485)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a configuration rollback rescue file delete operation is performed.		
Remedial action: Informational - If rollback rescue file deletion status indicates failed, then, the requested rescue file might not be available or check the FTP permission for the rescue location.		

Table 11-45 ConfigurationRescueFileSaveStatus

Alarm	Attributes	Applicable major NE releases
Name: ConfigurationRescueFileSaveStatus (3895) Type: configurationRescueAlarm (109) Package: rollback Raised on class: rollback.RollbackNEInfo	Severity: info Implicitly cleared: false Default probable cause: configurationRescueFileSaveOperationPerformed (1486)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a configuration rollback rescue save operation is performed.		
Remedial action: Informational - If rollback rescue file creation status indicates failed, then, check the FTP permission for the rescue location.		

Table 11-46 ConfigurationRescueStatus

Alarm	Attributes	Applicable major NE releases
Name: ConfigurationRescueStatus (3896) Type: configurationRescueAlarm (109) Package: rollback Raised on class: rollback.RollbackNEInfo	Severity: info Implicitly cleared: false Default probable cause: configurationRescueOperationPerformed (1487)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a configuration rollback rescue operation is performed.		
Remedial action: Informational - If rollback rescue status indicates failed, then, the rescue file might not be available or check the FTP permission for the rescue location.		

Table 11-47 ConfigurationRollBackFileDeleteStatus

Alarm	Attributes	Applicable major NE releases
Name: ConfigurationRollBackFileDeleteStatus (3897) Type: configurationRollBackAlarm (103) Package: rollback Raised on class: rollback.RollbackNEInfo	Severity: info Implicitly cleared: false Default probable cause: configurationRollBackFileDeleteOperationPerformed (1488)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a configuration rollback file delete operation is performed.		
Remedial action: Informational - If rollback file deletion status indicates failed, then, the requested rollback file might not be available or check the FTP permission for the rollback location..		

Table 11-48 ConfigurationRollBackFileSyncStatus

Alarm	Attributes	Applicable major NE releases
Name: ConfigurationRollBackFileSyncStatus (3898) Type: configurationRollBackFileSyncAlarm (110) Package: rollback Raised on class: rollback.RollbackNEInfo	Severity: info Implicitly cleared: false Default probable cause: configurationRollBackFileSyncOperationPerformed (1489)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a configuration rollback CPM sync operation is performed.		
Remedial action: Informational - If rollback files CPM Sync status indicates failed, then, check whether standby CPM is up.		

Table 11-49 ConfigurationRollBackSaveStatus

Alarm	Attributes	Applicable major NE releases
Name: ConfigurationRollBackSaveStatus (3899) Type: configurationRollBackAlarm (103) Package: rollback Raised on class: rollback.RollbackNEInfo	Severity: info Implicitly cleared: false Default probable cause: configurationRollBackSaveOperationPerformed (1490)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a configuration rollback save operation is performed.		
Remedial action: Informational - If rollback file creation status indicates failed, then, check the FTP permission for the rollback location.		

Table 11-50 ConfigurationRollBackStatus (netw)

Alarm	Attributes	Applicable major NE releases
Name: ConfigurationRollBackStatus (3684) Type: configurationRollBackAlarm (103) Package: netw Raised on class: netw.NetworkElement	Severity: info Implicitly cleared: false Default probable cause: configurationRollBackOperationPerformed (1422)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a configuration rollback operation is performed.		
Remedial action: Informational - If rollback status indicates failed, then, the requested checkpoint might not be available or NE configuration might need to be restored.		

Table 11-51 ConfigurationRollBackStatus (rollback)

Alarm	Attributes	Applicable major NE releases
Name: ConfigurationRollBackStatus (3684) Type: configurationRollBackAlarm (103) Package: rollback Raised on class: rollback.RollbackNEInfo	Severity: info Implicitly cleared: false Default probable cause: configurationRollBackOperationPerformed (1422)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a configuration rollback operation is performed.		
Remedial action: Informational - If rollback status indicates failed, then, the requested checkpoint might not be available or NE configuration might need to be restored.		

Table 11-52 ContainingEquipmentAdministrativelyDown

Alarm	Attributes	Applicable major NE releases
Name: ContainingEquipmentAdministrativelyDown (466) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: minor Implicitly cleared: true Default probable cause: containingEquipmentAdministrativelyDown (330)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentAdministrativelyDown.		
Raising condition: (('Status' EQUAL 'Parent Admin Down') AND ('isTerminatable' EQUAL 'true'))		
Clearing condition: (('Status' NOT EQUAL 'Parent Admin Down') OR ('isTerminatable' NOT EQUAL 'true'))		
Remedial action: Informational - no corrective action required.		

Table 11-53 ContainingEquipmentMismatch

Alarm	Attributes	Applicable major NE releases
Name: ContainingEquipmentMismatch (464) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentMismatch (328)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentMismatch.		
Raising condition: (('Status' EQUAL 'Parent Type Mismatch') AND ('isTerminatable' EQUAL 'true'))		
Clearing condition: (('Status' NOT EQUAL 'Parent Type Mismatch') OR ('isTerminatable' NOT EQUAL 'true'))		
Remedial action: A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

Table 11-54 ContainingEquipmentOperationallyDown

Alarm	Attributes	Applicable major NE releases
Name: ContainingEquipmentOperationallyDown (465) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentDown (329)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentOperationallyDown.		
Raising condition: (('Status' EQUAL 'Parent Oper Down') AND ('isTerminatable' EQUAL 'true'))		
Clearing condition: (('Status' NOT EQUAL 'Parent Oper Down') OR ('isTerminatable' NOT EQUAL 'true'))		
Remedial action: The operational state of the equipment element indicated in the alarm is down. This may be due to the element's administrative state or it may indicate that the element has failed.		

Table 11-55 CorruptImageFile

Alarm	Attributes	Applicable major NE releases
Name: CorruptImageFile (171) Type: configurationAlarm (11) Package: mediation Raised on class: mediation.AbstractSoftwareFolderDescriptor	Severity: critical Implicitly cleared: true Default probable cause: invalidOrCorruptImageFile (134)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when one or more files in the 5620 SAM software image specified for a device software upgrade is invalid, corrupt or absent. The 5620 SAM validates a device software file set before it imports the file set and distributes it to an NE. Ensure that the file set downloads properly to the NE and is not tampered with before you re-attempt the upgrade. The alarm clears when a valid file set is on the NE and the 5620 SAM activates the software image in the file set.		
Raising condition: ('isImageValid' EQUAL 'false')		
Clearing condition: ('isImageValid' EQUAL 'true')		
Remedial action: The existing SW image in the SAM database should be replaced with an image that is known to be complete and valid.		

Table 11-56 CpmProtectionExceedEntry

Alarm	Attributes	Applicable major NE releases
Name: CpmProtectionExceedEntry (2925) Type: communications (87) Package: sitesec Raised on class: sitesec.CpmProtExcdEntry	Severity: warning Implicitly cleared: false Default probable cause: denialOfService (790)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a MAC packet stream has exceeded its per-source limit.		
Raising condition: ('Number of Rate Violations' NOT EQUAL '0L')		

(1 of 2)

11 – Alcatel-Lucent 7450 ESS alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: A device in the network is sending traffic to the NE at a rate which is higher than expected. The source of the traffic must be identified and if the behavior is undesired then the device should be disabled. It is also possible that the threshold has been configured at a level which is lower than acceptable in which case the configuration should be align with the traffic levels expected.		

(2 of 2)

Table 11-57 CpmProtectionExceedSapIpEntry

Alarm	Attributes	Applicable major NE releases
Name: CpmProtectionExceedSapIpEntry (3911) Type: communications (87) Package: sitesec Raised on class: sitesec.CpmProtExcdSapIpEntry	Severity: warning Implicitly cleared: false Default probable cause: denialOfService (790)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an IP packet stream has exceeded the per-source limit.		
Raising condition: ('Number of Rate Violations' NOT EQUAL '0L')		
Remedial action: A device in the network is sending traffic to the NE at a rate which is higher than expected. The source of the traffic must be identified and if the behavior is undesired then the device should be disabled. It is also possible that the threshold has been configured at a level which is lower than acceptable in which case the configuration should be align with the traffic levels expected.		

Table 11-58 CpmProtectionViolationIfEntry

Alarm	Attributes	Applicable major NE releases
Name: CpmProtectionViolationIfEntry (2926) Type: communications (87) Package: sitesec Raised on class: sitesec.CpmProtViolIfEntry	Severity: warning Implicitly cleared: false Default probable cause: denialOfService (790)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the link-specific packet arrival rate limit at the interface is violated.		
Raising condition: ('Number of Rate Violations' NOT EQUAL '0L')		
Remedial action: A device in the network is sending traffic to the NE at a rate which is higher than expected. The source of the traffic must be identified and if the behavior is undesired then the device should be disabled. It is also possible that the threshold has been configured at a level which is lower than acceptable in which case the configuration should be align with the traffic levels expected.		

Table 11-59 CpmProtectionViolationPortEntry

Alarm	Attributes	Applicable major NE releases
Name: CpmProtectionViolationPortEntry (2927) Type: communications (87) Package: sitesec Raised on class: sitesec.CpmProtViolPortEntry	Severity: warning Implicitly cleared: false Default probable cause: denialOfService (790)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the link-specific packet arrival rate limit at the port is violated.		
Raising condition: (('Number of Per-port Violations' NOT EQUAL '0L') OR ('Number of Link-specific Violations' NOT EQUAL '0L'))		
Remedial action: A device in the network is sending traffic to the NE at a rate which is higher than expected. The source of the traffic must be identified and if the behavior is undesired then the device should be disabled. It is also possible that the threshold has been configured at a level which is lower than acceptable in which case the configuration should be align with the traffic levels expected.		

Table 11-60 CpmProtectionViolationSAPEntry

Alarm	Attributes	Applicable major NE releases
Name: CpmProtectionViolationSAPEntry (2928) Type: communications (87) Package: sitesec Raised on class: sitesec.CpmProtViolSapEntry	Severity: warning Implicitly cleared: false Default probable cause: denialOfService (790)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the link-specific packet arrival rate limit at the SAP is violated.		
Raising condition: ('Number of Rate Violations' NOT EQUAL '0L')		
Remedial action: A device in the network is sending traffic to the NE at a rate which is higher than expected. The source of the traffic must be identified and if the behavior is undesired then the device should be disabled. It is also possible that the threshold has been configured at a level which is lower than acceptable in which case the configuration should be align with the traffic levels expected.		

Table 11-61 CpmProtectionViolationSDPEntry

Alarm	Attributes	Applicable major NE releases
Name: CpmProtectionViolationSDPEntry (5415) Type: communications (87) Package: sitesec Raised on class: sitesec.CpmProtViolSdpEntry	Severity: warning Implicitly cleared: false Default probable cause: denialOfService (790)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the overall packet arrival rate limit at the SDP is violated.		
Raising condition: ('Number of Rate Violations' NOT EQUAL '0L')		
Remedial action: A device in the network is sending traffic to the NE at a rate which is higher than expected. The source of the traffic must be identified and if the behavior is undesired then the device should be disabled. It is also possible that the threshold has been configured at a level which is lower than acceptable in which case the configuration should be align with the traffic levels expected.		

Table 11-62 DDMAux1HighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMAux1HighAlarm (495) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: aux1HighAlarm (381)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the manufacturer-specific Auxiliary 1 of the XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux1 High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux1 High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 11-63 DDMAux1HighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMAux1HighWarning (494) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: aux1HighWarning (380)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the manufacturer-specific Auxiliary 1 of the XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux1 High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux1 High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 11-64 DDMAux1LowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMAux1LowAlarm (493) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: aux1LowAlarm (379)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the manufacturer-specific Auxiliary 1 of the XFP reaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux1 Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux1 Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 11-65 DDMAux1LowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMAux1LowWarning (492) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: aux1LowWarning (378)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the manufacturer-specific Auxiliary 1 of the XFP approaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux1 Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux1 Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 11-66 DDMAux2HighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMAux2HighAlarm (499) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: aux2HighAlarm (385)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the manufacturer-specific Auxiliary 2 of the XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux2 High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux2 High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 11-67 DDMAux2HighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMAux2HighWarning (498) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: aux2HighWarning (384)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the manufacturer-specific Auxiliary 2 of the XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux2 High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux2 High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 11-68 DDMAux2LowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMAux2LowAlarm (497) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: aux2LowAlarm (383)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the manufacturer-specific Auxiliary 2 of the XFP reaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux2 Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux2 Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 11-69 DDMAux2LowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMAux2LowWarning (496) Type: communicationthresholdAlarmnsAlarm (50) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: aux2LowWarning (382)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the manufacturer-specific Auxiliary 2 of the XFP approaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux2 Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux2 Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 11-70 DDMRxOpticalPowerHighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMRxOpticalPowerHighAlarm (491) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: rxOpticalPowerHighAlarm (377)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the received optical power of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Rx Optical Power High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Rx Optical Power High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 11-71 DDMRxOpticalPowerHighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMRxOpticalPowerHighWarning (490) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: rxOpticalPowerHighWarning (376)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the received optical power of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBitRx Optical Power High Warning')		
Clearing condition: NOT (('failedThresholds'anyBitRx Optical Power High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 11-72 DDMRxOpticalPowerLowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMRxOpticalPowerLowAlarm (489) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: rxOpticalPowerLowAlarm (375)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the received optical power of an SFP or XFP reaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBitRx Optical Power Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBitRx Optical Power Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 11-73 DDMRxOpticalPowerLowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMRxOpticalPowerLowWarning (488) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: rxOpticalPowerLowWarning (374)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the received optical power of an SFP or XFP approaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBitRx Optical Power Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBitRx Optical Power Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 11-74 DDMSupplyVoltageHighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMSupplyVoltageHighAlarm (479) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: supplyVoltageHighAlarm (365)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the supply voltage of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Supply Voltage High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Supply Voltage High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 11-75 DDMSupplyVoltageHighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMSupplyVoltageHighWarning (478) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: supplyVoltageHighWarning (364)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the supply voltage of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Supply Voltage High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Supply Voltage High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 11-76 DDMSupplyVoltageLowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMSupplyVoltageLowAlarm (477) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: supplyVoltageLowAlarm (363)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the supply voltage of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Supply Voltage Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Supply Voltage Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 11-77 DDMSupplyVoltageLowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMSupplyVoltageLowWarning (476) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: supplyVoltageLowWarning (362)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the supply voltage of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Supply Voltage Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Supply Voltage Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 11-78 DDMTemperatureHighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTemperatureHighAlarm (475) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: temperatureHighAlarm (361)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the temperature of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Temperature High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Temperature High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 11-79 DDMTemperatureHighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTemperatureHighWarning (474) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: temperatureHighWarning (360)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the temperature of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Temperature High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Temperature High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 11-80 DDMTemperatureLowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTemperatureLowAlarm (473) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: temperatureLowAlarm (359)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the temperature of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Temperature Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Temperature Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 11-81 DDMTemperatureLowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTemperatureLowWarning (472) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: temperatureLowWarning (358)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the temperature of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Temperature Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Temperature Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 11-82 DDMTxBiasCurrentHighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTxBiasCurrentHighAlarm (483) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: txBiasCurrentHighAlarm (369)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the transmit bias current of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Bias Current High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Bias Current High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 11-83 DDMTxBiasCurrentHighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTxBiasCurrentHighWarning (482) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: txBiasCurrentHighWarning (368)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the transmit bias current of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Bias Current High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Bias Current High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 11-84 DDMTxBiasCurrentLowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTxBiasCurrentLowAlarm (481) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: txBiasCurrentLowAlarm (367)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the transmit bias current of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Bias Current Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Bias Current Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 11-85 DDMTxBiasCurrentLowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTxBiasCurrentLowWarning (480) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: txBiasCurrentLowWarning (366)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the transmit bias current of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Bias Current Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Bias Current Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 11-86 DDMTxOutputPowerHighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTxOutputPowerHighAlarm (487) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: txOutputPowerHighAlarm (373)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the output power of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Output Power High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Output Power High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 11-87 DDMTxOutputPowerHighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTxOutputPowerHighWarning (486) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: txOutputPowerHighWarning (372)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the output power of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Output Power High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Output Power High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 11-88 DDMTxOutputPowerLowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTxOutputPowerLowAlarm (485) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: txOutputPowerLowAlarm (371)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the output power of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Output Power Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Output Power Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 11-89 DDMTxOutputPowerLowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTxOutputPowerLowWarning (484) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: txOutputPowerLowWarning (370)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the output power of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Output Power Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Output Power Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 11-90 DHCPSErverFailoverStateChange

Alarm	Attributes	Applicable major NE releases
Name: DHCPSErverFailoverStateChange (4986) Type: configurationAlarm (11) Package: dhcp Raised on class: dhcp.LocalDhcpServerFailover	Severity: warning Implicitly cleared: true Default probable cause: DHCPSErverFailoverStateChanged (2041)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the Local DHCP Server Failover has a state other than Normal.		
Raising condition: (('state' NOT EQUAL 'Normal'))		
Clearing condition: (('state' EQUAL 'Normal'))		
Remedial action: This alarm is raised when operational state of a particular Local DHCP Server Failover is other than Normal. This can occur if the failover configuration is incorrect, disabled or if a server failover is in progress. This alarm will be cleared implicitly when the DHCP Server Failover state returns to Normal.		

Table 11-91 downgradedCardAlarm

Alarm	Attributes	Applicable major NE releases
Name: downgradedCardAlarm (256) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: downgradedCard (195)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an IOM is not upgraded or reset after a device software upgrade of both CPMs. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
Raising condition: ('operationalState' EQUAL 'Downgrade')		
Clearing condition: ('operationalState' EQUAL 'Up')		
Remedial action: Informational - no corrective action required.		

Table 11-92 DS1E1AlarmIndicationSignal

Alarm	Attributes	Applicable major NE releases
Name: DS1E1AlarmIndicationSignal (112) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: alarmIndicationSignal (96)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an NE reports that a specific DS1 or E1 channel has an AIS alarm condition.		
Raising condition: (('Outstanding Alarms'anyBit'Alarm Indication Signal') AND ('Report Alarms'anyBit'Alarm Indication Signal'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Alarm Indication Signal') AND ('Report Alarms'anyBit'Alarm Indication Signal'))))		
Remedial action: Informational only.		

Table 11-93 DS1E1Looped

Alarm	Attributes	Applicable major NE releases
Name: DS1E1Looped (126) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: farEndLoopback (102)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an NE reports that a specific DS1 or E1 channel has a remote loopback alarm condition.		
Raising condition: (('Outstanding Alarms'anyBit'Far end wants the near end to loopback') AND ('Report Alarms'anyBit'Far end wants the near end to loopback'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Far end wants the near end to loopback') AND ('Report Alarms'anyBit'Far end wants the near end to loopback'))))		
Remedial action: Informational only.		

Table 11-94 DS1E1LossOfSignal

Alarm	Attributes	Applicable major NE releases
Name: DS1E1LossOfSignal (124) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: lossOfSignal (99)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an NE reports that a specific DS1 or E1 channel has an LOS alarm condition.		
Raising condition: (('Outstanding Alarms'anyBit'Loss of Signal') AND ('Report Alarms'anyBit'Loss of Signal'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Loss of Signal') AND ('Report Alarms'anyBit'Loss of Signal'))))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: Informational only.		

(2 of 2)

Table 11-95 DS1E1OutOfFrame

Alarm	Attributes	Applicable major NE releases
Name: DS1E1OutOfFrame (125) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: outOfFrame (100)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an NE reports that a specific DS1 or E1 channel has an OOF alarm condition.		
Raising condition: (('Outstanding Alarms'anyBit'Out Of Frame') AND ('Report Alarms'anyBit'Out Of Frame'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Out Of Frame') AND ('Report Alarms'anyBit'Out Of Frame'))		
Remedial action: Informational only.		

Table 11-96 DS1E1ResourceAvailabilityIndicator

Alarm	Attributes	Applicable major NE releases
Name: DS1E1ResourceAvailabilityIndicator (114) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: resourceAvailabilityIndicator (98)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an NE reports that a specific DS1 or E1 channel has an RAI alarm condition.		
Raising condition: (('Outstanding Alarms'anyBit'Resource Availability Indicator') AND ('Report Alarms'anyBit'Resource Availability Indicator'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Resource Availability Indicator') AND ('Report Alarms'anyBit'Resource Availability Indicator'))		
Remedial action: Informational only.		

Table 11-97 DS1E1SignalDegradation

Alarm	Attributes	Applicable major NE releases
Name: DS1E1SignalDegradation (500) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: signalDegradation (386)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an NE reports that a specific DS1 or E1 channel has an SD alarm condition.		
Raising condition: (('Outstanding Alarms'anyBit'Signal Degradation') AND ('Report Alarms'anyBit'Signal Degradation'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Signal Degradation') AND ('Report Alarms'anyBit'Signal Degradation'))))		
Remedial action: Informational only.		

Table 11-98 DS1E1SignalFailure

Alarm	Attributes	Applicable major NE releases
Name: DS1E1SignalFailure (501) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: signalFailure (387)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an NE reports that a specific DS1 or E1 channel has an SF alarm condition.		
Raising condition: (('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))))		
Remedial action: Informational only.		

Table 11-99 DS3E3AlarmIndicationSignal

Alarm	Attributes	Applicable major NE releases
Name: DS3E3AlarmIndicationSignal (115) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS3E3ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: alarmIndicationSignal (96)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an NE reports that a specific DS3 or E3 channel has an AIS alarm condition.		
Raising condition: (('Outstanding Alarms'anyBit'Alarm Indication Signal') AND ('Report Alarms'anyBit'Alarm Indication Signal'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Alarm Indication Signal') AND ('Report Alarms'anyBit'Alarm Indication Signal'))))		
Remedial action: Informational only.		

Table 11-100 DS3E3Looped

Alarm	Attributes	Applicable major NE releases
Name: DS3E3Looped (120) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS3E3ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: farEndLoopback (102)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an NE reports that a specific DS3 or E3 channel has a remote loopback alarm condition.		
Raising condition: (('Outstanding Alarms'anyBit'Far end wants the near end to loopback') AND ('Report Alarms'anyBit'Far end wants the near end to loopback'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'Far end wants the near end to loopback') AND ('Report Alarms'anyBit'Far end wants the near end to loopback'))		
Remedial action: Informational only.		

Table 11-101 DS3E3LossOfSignal

Alarm	Attributes	Applicable major NE releases
Name: DS3E3LossOfSignal (116) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS3E3ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: lossOfSignal (99)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an NE reports that a specific DS3 or E3 channel has an LOS alarm condition.		
Raising condition: (('Outstanding Alarms'anyBit'Loss of Signal') AND ('Report Alarms'anyBit'Loss of Signal'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'Loss of Signal') AND ('Report Alarms'anyBit'Loss of Signal'))		
Remedial action: Informational only.		

Table 11-102 DS3E3OutOfFrame

Alarm	Attributes	Applicable major NE releases
Name: DS3E3OutOfFrame (117) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS3E3ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: outOfFrame (100)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an NE reports that a specific DS3 or E3 channel has an OOF alarm condition.		
Raising condition: (('Outstanding Alarms'anyBit'Out Of Frame') AND ('Report Alarms'anyBit'Out Of Frame'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'Out Of Frame') AND ('Report Alarms'anyBit'Out Of Frame'))		
Remedial action: Informational only.		

Table 11-103 DS3E3ResourceAvailability

Alarm	Attributes	Applicable major NE releases
Name: DS3E3ResourceAvailability (119) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS3E3ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: resourceAvailabilityIndicator (98)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an NE reports that a specific DS3 or E3 channel has an RAI alarm condition.		
Raising condition: (('Outstanding Alarms'anyBit'Resource Availability Indicator') AND ('Report Alarms'anyBit'Resource Availability Indicator'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'Resource Availability Indicator') AND ('Report Alarms'anyBit'Resource Availability Indicator'))		
Remedial action: Informational only.		

Table 11-104 EfmOamAlarm

Alarm	Attributes	Applicable major NE releases
Name: EfmOamAlarm (4617) Type: equipmentAlarm (3) Package: ethernetequipment Raised on class: ethernetequipment.Dot3Oam	Severity: minor Implicitly cleared: true Default probable cause: EFMOAMOperationalstateOutOfService (1886)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when EFM Ignore status is Enabled, and Physical port Administrative State is Down.		
Raising condition: ('Ignore EFM State' EQUAL 'true')		
Clearing condition: ('Ignore EFM State' EQUAL 'true')		
Remedial action: The alarm is raised when EFM Ignore status is Enabled, and Physical port Administrative State is Down.		

Table 11-105 EquipmentAdministrativelyDown

Alarm	Attributes	Applicable major NE releases
Name: EquipmentAdministrativelyDown (455) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: minor Implicitly cleared: true Default probable cause: equipmentAdministrativelyDown (326)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentAdministrativelyDown.		
Raising condition: ('compositeEquipmentState' EQUAL 'Admin Down')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Admin Down')		
Remedial action: Informational - no corrective action required.		

Table 11-106 EquipmentDegraded

Alarm	Attributes	Applicable major NE releases
Name: EquipmentDegraded (604) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: minor Implicitly cleared: true Default probable cause: singleFanFailure (450)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a single fan fails. The chassis attempts to continue operating within the normal temperature range using only the remaining fans.		
Raising condition: ('Device State' EQUAL 'MinorFailure')		
Clearing condition: ('Device State' NOT EQUAL 'MinorFailure')		
Remedial action: The failed fan unit should be replaced.		

Table 11-107 EquipmentDown

Alarm	Attributes	Applicable major NE releases
Name: EquipmentDown (10) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: inoperableEquipment (8)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentOperationallyDown.		
Raising condition: ('compositeEquipmentState' EQUAL 'Oper Down')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Oper Down')		
Remedial action: This alarm indicates that a card in the NE has failed. The card must be replaced.		

Table 11-108 EquipmentFailure

Alarm	Attributes	Applicable major NE releases
Name: EquipmentFailure (145) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.ReplaceableUnit	Severity: critical Implicitly cleared: true Default probable cause: cardFailure (123)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a control processor or power-supply tray reports a failure. When the object type is ControlProcessor, a CPM may be unable to boot. When the object type is Power Supply Tray and the alarm is raised during device discovery, a power-supply tray may be out of service. When the object type is a Power Supply Tray and the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
Raising condition: ('operationalState' EQUAL 'Failed')		
Clearing condition: ('operationalState' NOT EQUAL 'Failed')		

(1 of 2)

11 – Alcatel-Lucent 7450 ESS alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: If the alarm indicates that the CPM card has a fault, remove the card and reset it. If this does not clear the alarm then please contact Alcatel-Lucent support for assistance. If the alarm indicates that the Power Supply tray is out of service ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

(2 of 2)

Table 11-109 EquipmentInTest

Alarm	Attributes	Applicable major NE releases
Name: EquipmentInTest (11) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: warning Implicitly cleared: true Default probable cause: equipmentInTest (9)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when equipment enters a diagnostic state.		
Raising condition: ('compositeEquipmentState' EQUAL 'In Test')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'In Test')		
Remedial action: Informational - no corrective action required.		

Table 11-110 EquipmentMismatch

Alarm	Attributes	Applicable major NE releases
Name: EquipmentMismatch (9) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: equipmentTypeMismatch (7)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMismatch.		
Raising condition: ('compositeEquipmentState' EQUAL 'Type Mismatch')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Type Mismatch')		
Remedial action: A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

Table 11-111 EquipmentRemoved

Alarm	Attributes	Applicable major NE releases
Name: EquipmentRemoved (8) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: replaceableEquipmentRemoved (6)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMissing.		
Raising condition: (('compositeEquipmentState' EQUAL 'Removed') AND ('isEquipmentInserted' EQUAL 'true'))		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Removed')		
Remedial action: Informational - this alarm is raised when a card is removed.		

(2 of 2)

Table 11-112 EthCSF

Alarm	Attributes	Applicable major NE releases
Name: EthCSF (3721) Type: oamAlarm (18) Package: ethernetOAM Raised on class: ethernetOAM.Mep	Severity: variable Implicitly cleared: true Default probable cause: EthCSF (1459)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a MEP receives a CCM frame with an interface status TLV of 'Down'.		
Remedial action: This alarm is raised when a MEP receives a CCM frame with an interface status TLV of Down.		

Table 11-113 EthernetPortConfiguredLoopback

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortConfiguredLoopback (801) Type: configurationAlarm (11) Package: ethernetEquipment Raised on class: ethernetEquipment.EthernetPortSpecifics	Severity: warning Implicitly cleared: true Default probable cause: ethernetPortConfiguredLoopback (567)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a timed loopback is in effect for an Ethernet port.		
Raising condition: (('Type' NOT EQUAL 'None'))		
Clearing condition: (('Type' EQUAL 'None'))		
Remedial action: This alarm has been raised by the node because "Timed Loopback" option of the specific port's Ethernet property has been enabled. To resolve this problem from "Ethernet" tab of "Physical Port" properties form configure "Timed Loopback" Type property as "None".		

Table 11-114 EthernetPortDuplicateLane

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortDuplicateLane (3557) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: DuplicateLane (1387)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a device reports a Duplicate Lane on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 11-115 EthernetPortHighBer

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortHighBer (307) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a device reports a high bit-error rate on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))		
Remedial action: One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 11-116 EthernetPortLocalFault

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortLocalFault (305) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: LocalFault (236)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a device reports a local fault on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))))		
Remedial action: One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

(2 of 2)

Table 11-117 EthernetPortNoAmLock

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortNoAmLock (3558) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoAmLock (1388)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a device reports a No Am Lock on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 11-118 EthernetPortNoBlockLock

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortNoBlockLock (3559) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoBlockLock (1389)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a device reports a No Block Lock on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock'))))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 11-119 EthernetPortNoFrameLock

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortNoFrameLock (306) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoFrameLock (237)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a device reports No Frame Lock on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock'))		
Remedial action: One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 11-120 EthernetPortRemoteFault

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortRemoteFault (304) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: RemoteFault (235)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a device reports a remote fault on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault'))		
Remedial action: One of the following conditions exists on the remote physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 11-121 EthernetPortSignalFailure

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortSignalFailure (303) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: SignalFailure (234)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a device reports a signal failure on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))))		
Remedial action: One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

(2 of 2)

Table 11-122 ExternalTimingReferenceNotQualified

Alarm	Attributes	Applicable major NE releases
Name: ExternalTimingReferenceNotQualified (548) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: timingReferenceNotQualified (418)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the External timing reference on an NE is not in the Qualified state.		
Raising condition: (('Qualified For Use' EQUAL 'Not Qualified') AND ('Administrative State' NOT EQUAL 'Down'))		
Clearing condition: (('Qualified For Use' NOT EQUAL 'Not Qualified') OR ('Administrative State' EQUAL 'Down'))		
Remedial action: Informational		

Table 11-123 FanFailure

Alarm	Attributes	Applicable major NE releases
Name: FanFailure (624) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: fanFailure (116)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the associated fan is not operationally Up.		
Raising condition: (('Device State' EQUAL 'Failed') OR ('Device State' EQUAL 'Unknown') OR ('Device State' EQUAL 'OutOfservice'))		
Clearing condition: ('Device State' EQUAL 'OK')		
Remedial action: Remove and reset the fan unit. If this does not resolve the problem replace the fan.		

Table 11-124 FanTrayRemoved

Alarm	Attributes	Applicable major NE releases
Name: FanTrayRemoved (569) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: FanTrayRemoved (438)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the deviceState attribute has a value of deviceNotEquipped.		
Raising condition: ('Device State' EQUAL 'Not Equipped')		
Clearing condition: ('Device State' NOT EQUAL 'Not Equipped')		
Remedial action: Informational - a fan tray has been removed from the NE.		

Table 11-125 ForwardingTableSizeLimitReached

Alarm	Attributes	Applicable major NE releases
Name: ForwardingTableSizeLimitReached (164) Type: resourceAlarm (28) Package: I2fwd Raised on class: I2fwd.SiteFib	Severity: major Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the number of MAC address entries in the FIB reaches or exceeds the VPLS site high watermark specified by I2fwd.SiteFib.highWatermark. The alarm clears when the number of MAC address entries in the FIB drops below the VPLS site low watermark specified by I2fwd.SiteFib.lowWatermark. The alarm can be raised against a VPLS site, L2 access interface, or spoke SDP binding.		
Raising condition: (('Entries' >= 'Size') OR ('Entries' >= (('High Watermark' * 'Size') / 100.0)))		
Clearing condition: (('Entries' < 'Size') AND (('High Watermark' EQUAL '0L') OR ('Entries' < (('Low Watermark' * 'Size') / 100.0))) AND (('Low Watermark' EQUAL '0L') OR ('Entries' < (('Low Watermark' * 'Size') / 100.0)))		
Remedial action: Informational		

Table 11-126 FrameSizeProblem (netw)

Alarm	Attributes	Applicable major NE releases
Name: FrameSizeProblem (37) Type: configurationAlarm (11) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: frameSizeProblem (33)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a provisioned MTU size value is greater than the supported MTU size value.		
Raising condition: (('mtuMismatch' EQUAL 'true') AND ('portId' NOT EQUAL '0L'))		
Clearing condition: (('mtuMismatch' EQUAL 'false') OR ('portId' EQUAL '0L'))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: A configuration error has been made which must be corrected. The MTU value must be changed such that is less than or equal to the supported MTU size value.		

(2 of 2)

Table 11-127 FrameSizeProblem (svt)

Alarm	Attributes	Applicable major NE releases
Name: FrameSizeProblem (37) Type: configurationAlarm (11) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: frameSizeProblem (33)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a provisioned MTU size value is greater than the supported MTU size value.		
Raising condition: (('Operational State' EQUAL 'MTU Mismatch') OR ('Operational State' EQUAL 'Tunnel MTU Too Small'))		
Clearing condition: (('Operational State' NOT EQUAL 'MTU Mismatch') AND ('Operational State' NOT EQUAL 'Tunnel MTU Too Small'))		
Remedial action: The MTU value must be changed such that is is less than or equal to the supported MTU size value.		

Table 11-128 GaPeerDown

Alarm	Attributes	Applicable major NE releases
Name: GaPeerDown (3303) Type: EpcAlarm (59) Package: Iteggnsn Raised on class: Iteggnsn.GaPeer	Severity: major Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the path management state of a Ga peer changes to a state other than Up.		
Raising condition: ('Path Management State' NOT EQUAL 'Active')		
Clearing condition: ('Path Management State' EQUAL 'Active')		
Remedial action: A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

Table 11-129 GroupDown

Alarm	Attributes	Applicable major NE releases
Name: GroupDown (69) Type: ProtocolAlarm (1) Package: rip Raised on class: rip.Group	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a RIP group has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
Clearing condition: (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
Remedial action: The RIP Group is down while it is administratively up. Please check RIP related configuration e.g., the RIP is not shutdown.		

Table 11-130 GroupInterfaceDown

Alarm	Attributes	Applicable major NE releases
Name: GroupInterfaceDown (441) Type: GroupInterfaceAlarm (44) Package: service Raised on class: service.GroupInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the 5620 SAM detects that a group interface is operationally down. The alarm clears when the group interface is operationally up.		
Raising condition: ('operationalState' NOT EQUAL 'Up')		
Clearing condition: ('operationalState' EQUAL 'Up')		
Remedial action: Check the configuration and the underlying physical interface.		

Table 11-131 IGHMisconfigured

Alarm	Attributes	Applicable major NE releases
Name: IGHMisconfigured (827) Type: ighAlarm (74) Package: igh Raised on class: igh.InterfaceGroupHandler	Severity: major Implicitly cleared: true Default probable cause: IGHProtocolMismatch (590)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the IGH is administratively up but none of the IGH protocols is operationally up.		
Raising condition: (('igh_misconfigured' EQUAL "\"yes\"") AND ('Administrative State' EQUAL 'Up'))		
Clearing condition: (('igh_misconfigured' NOT EQUAL "\"yes\"") OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: Please check the configuration.		

Table 11-132 IgmpDown

Alarm	Attributes	Applicable major NE releases
Name: IgmpDown (158) Type: ProtocolAlarm (1) Package: igmp Raised on class: igmp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an IGMP site has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: While configured under VPRN, check if VPRN site is admin down, or if route distinguisher is not configured.		

Table 11-133 IgmpMaxGrpSrcsLimitExceeded

Alarm	Attributes	Applicable major NE releases
Name: IgmpMaxGrpSrcsLimitExceeded (4624) Type: configurationAlarm (11) Package: igmp Raised on class: igmp.Interface	Severity: major Implicitly cleared: false Default probable cause: IgmpMaxGrpSrcsLimitExceeded (1892)	<ul style="list-style-type: none"> • 11.0 • 12.0
Description: The alarm is raised when an attempt is made to configure an IGMP group source for a group when the number of group sources for this group is equal to 'maxGrpSources', the maximum number of group sources per group supported on the interface.		
Remedial action: Needs to increase 'maxGrpSources' value to allow more sources on this interface.		

Table 11-134 IgmpMaxSrcsLimitExceeded

Alarm	Attributes	Applicable major NE releases
Name: IgmpMaxSrcsLimitExceeded (3742) Type: configurationAlarm (11) Package: igmp Raised on class: igmp.Interface	Severity: major Implicitly cleared: false Default probable cause: IgmpMaxSrcsLimitExceeded (1477)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0
Description: The alarm is raised when an attempt is made to configure an IGMP source for a group when the number of sources for this group is equal to 'maxSources', the maximum number of sources per group supported on the interface.		
Remedial action: Needs to increase 'maxSources' value to allow more sources on this interface.		

Table 11-135 IncompleteConfig (multichassis)

Alarm	Attributes	Applicable major NE releases
Name: IncompleteConfig (294) Type: configurationAlarm (11) Package: multichassis Raised on classes: <ul style="list-style-type: none"> multichassis.MultiChassisSync multichassis.MultiChassisLagMember 	Severity: major Implicitly cleared: true Default probable cause: incompleteConfig (225)	<ul style="list-style-type: none"> 10.0 11.0 12.0 9.0
Description: The alarm is raised when a peer configuration cannot be found on the peer NE.		
Raising condition: ('mLagPointer' EQUAL '\')		
Clearing condition: ('mLagPointer' NOT EQUAL '\')		
Remedial action: Configure the missing peered object.		

Table 11-136 IncompleteConfiguration

Alarm	Attributes	Applicable major NE releases
Name: IncompleteConfiguration (1942) Type: operationalViolation (93) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: incompleteConfig (225)	<ul style="list-style-type: none"> 10.0 11.0 12.0 9.0
Description: The alarm is raised when a pre-provisioned NE has no objects configured beneath it.		
Raising condition: (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' EQUAL '\'))		
Clearing condition: (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' NOT EQUAL '\'))		
Remedial action: A configuration error has been made which must be corrected. The configuration of the pre-provisioned NE is incomplete. A work order was not associated with the pre-provisioned NE and as a consequence the attempt to auto-configure the NE failed.		

Table 11-137 IncorrectEndPointPeerConfig

Alarm	Attributes	Applicable major NE releases
Name: IncorrectEndPointPeerConfig (1068) Type: configurationAlarm (11) Package: multichassis Raised on class: multichassis.MultiChassisEndpoint	Severity: major Implicitly cleared: true Default probable cause: incompleteEPPeerConfig (810)	<ul style="list-style-type: none"> 10.0 11.0 12.0 9.0
Description: The alarm is raised when a peer configuration cannot be found on the peer NE.		
Raising condition: ('MC EndPoint Group Pointer' EQUAL '\')		
Clearing condition: ('MC EndPoint Group Pointer' NOT EQUAL '\')		
Remedial action: The peered object cannot be found on the peer NE. Either delete this one, or create the missing peer object.		

Table 11-138 IncorrectNeighborConfig

Alarm	Attributes	Applicable major NE releases
Name: IncorrectNeighborConfig (609) Type: configurationAlarm (11) Package: aps Raised on class: aps.ApsGroup	Severity: major Implicitly cleared: true Default probable cause: incorrectNeighborConfig (452)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the peer does not exist or the neighbor address does not point to a network interface on the NE that contains the peer object.		
Raising condition: (('Type' EQUAL 'MultiChassis') AND ('Neighbor match' EQUAL 'false'))		
Clearing condition: (('Type' EQUAL 'SingleChassis') OR ('Neighbor match' EQUAL 'true'))		
Remedial action: Make sure a peer exist and the neighbor address points to a network interface on the NE that contains the peer object.		

Table 11-139 IncorrectPeerConfig

Alarm	Attributes	Applicable major NE releases
Name: IncorrectPeerConfig (779) Type: configurationAlarm (11) Package: multichassis Raised on class: multichassis.AbstractPeer	Severity: major Implicitly cleared: true Default probable cause: IncorrectPeerConfig (554)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an MC peer does not exist, or when an MC peer exists but the peer address is not the address of a network interface on the peer.		
Raising condition: ('peerMatchFound' EQUAL 'false')		
Clearing condition: ('peerMatchFound' EQUAL 'true')		
Remedial action: The peer configuration cannot be found on the peer NE. Either delete this one, or create the missing peer object.		

Table 11-140 IncorrectPeerSynchronizationPortConfig

Alarm	Attributes	Applicable major NE releases
Name: IncorrectPeerSynchronizationPortConfig (780) Type: configurationAlarm (11) Package: multichassis Raised on class: multichassis.PeerSynchronizationPort	Severity: major Implicitly cleared: true Default probable cause: IncorrectPeerSynchronizationPortConfig (555)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the peer port does not exist, or when the peer port exists but the synchronization tags of the peers do not match.		
Raising condition: ('peerMatchFound' EQUAL 'false')		
Clearing condition: ('peerMatchFound' EQUAL 'true')		

(1 of 2)

11 – Alcatel-Lucent 7450 ESS alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: Check if the peer port does not exist, or the peer port exists but the synchronization tags do not match.		

(2 of 2)

Table 11-141 IncorrectPeerSynchronizationPortEncapRangeConfig

Alarm	Attributes	Applicable major NE releases
Name: IncorrectPeerSynchronizationPortEncapRangeConfig (781) Type: configurationAlarm (11) Package: multichassis Raised on class: multichassis.PeerSynchronizationPortEncapRange	Severity: major Implicitly cleared: true Default probable cause: IncorrectPeerSynchronizationPortEncapRangeConfig (556)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the VLAN ranges on the Multi-Chassis synchronization peers do not match.		
Raising condition: ('Neighbor Match' EQUAL 'false')		
Clearing condition: ('Neighbor Match' EQUAL 'true')		
Remedial action: Update the VLAN ranges on the Multi-Chassis synchronization peers to make them matching.		

Table 11-142 InstanceDown (srrp)

Alarm	Attributes	Applicable major NE releases
Name: InstanceDown (284) Type: configurationAlarm (11) Package: srrp Raised on class: srrp.Instance	Severity: major Implicitly cleared: true Default probable cause: instanceDown (216)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the 5620 SAM detects that an SRRP instance is operationally down.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' EQUAL 'Initialize'))		
Clearing condition: (('Operational State' NOT EQUAL 'Initialize') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: Check the configuration of the instance		

Table 11-143 InstanceDown (vrrp)

Alarm	Attributes	Applicable major NE releases
Name: InstanceDown (284) Type: configurationAlarm (11) Package: vrrp Raised on class: vrrp.AbstractInstance	Severity: major Implicitly cleared: true Default probable cause: instanceDown (216)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when the 5620 SAM detects that a VRRP instance is operationally down.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: Check the instance configuration		

(2 of 2)

Table 11-144 InterfaceDown (netw)

Alarm	Attributes	Applicable major NE releases
Name: InterfaceDown (36) Type: InterfaceAlarm (13) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an interface or underlying resource fails, as indicated by an interface compositeState attribute value of failed or underlyingResourceFailed.		
Raising condition: (('compositeState' EQUAL 'Inoperable') OR ('compositeState' EQUAL 'Underlying Resource Inoperable'))		
Clearing condition: (('compositeState' NOT EQUAL 'Inoperable') AND ('compositeState' NOT EQUAL 'Underlying Resource Inoperable'))		
Remedial action: A physical port (physical interface, LAG, channel) associated with the network interface in not operation. Ensure that the interface is cabled and that there isn't a configuration error (i.e. MTU size set incorrectly) on the interface. Once the issue w		

Table 11-145 InterfaceDown (service)

Alarm	Attributes	Applicable major NE releases
Name: InterfaceDown (36) Type: configurationAlarm (11) Package: service Raised on class: service.RedundantInterface	Severity: major Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the 5620 SAM detects that a redundant interface is operationally down.		
Raising condition: (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
Clearing condition: (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
Remedial action: A physical port (physical interface, LAG, channel) associated with the network interface in not operation. Ensure that the interface is cabled and that there isn't a configuration error (i.e. MTU size set incorrectly) on the interface. Once the issue w		

Table 11-146 InterfaceDown (vpls)

Alarm	Attributes	Applicable major NE releases
Name: InterfaceDown (36) Type: configurationAlarm (11) Package: vpls Raised on class: vpls.L2ManagementInterface	Severity: major Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an L2 management interface has an Operational State of Down, and the associated VPLS site has an Administrative State of Up.		
Raising condition: (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
Clearing condition: (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
Remedial action: The condition exists because the physical interface is down either because it is administratively disabled, faulty or a cabling fault has occurred. Ensure that the interface is administratively up. Check for a poor cable connection to the port or for a faulty cable/fiber. If neither appears to be the problem run diagnostics on the port to determine if it is faulty.		

Table 11-147 InterfaceDown (vprn)

Alarm	Attributes	Applicable major NE releases
Name: InterfaceDown (36) Type: configurationAlarm (11) Package: vprn Raised on class: vprn.IPMirrorInterface	Severity: major Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the 5620 SAM detects that an interface is operationally down.		
Raising condition: (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
Clearing condition: (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
Remedial action: A physical port (physical interface, LAG, channel) associated with the network interface in not operation. Ensure that the interface is cabled and that there isn't a configuration error (i.e. MTU size set incorrectly) on the interface. Once the issue w		

Table 11-148 InterfaceNeighborDown

Alarm	Attributes	Applicable major NE releases
Name: InterfaceNeighborDown (661) Type: NeighborDown (20) Package: ospf Raised on class: ospf.Interface	Severity: warning Implicitly cleared: true Default probable cause: NeighborDown (103)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an interface neighbor is operationally down.		
Raising condition: (('Neighbor Count' EQUAL '0L') AND ('interfaceClass' NOT EQUAL 'System') AND ('Passive' NOT EQUAL 'true'))		
Clearing condition: (('Neighbor Count' NOT EQUAL '0L') OR ('Passive' EQUAL 'true'))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: This alarm is raised when the OSPF interface neighbor is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

(2 of 2)

Table 11-149 IPSecGatewayDown

Alarm	Attributes	Applicable major NE releases
Name: IPSecGatewayDown (830) Type: serviceAlarm (16) Package: ipsec Raised on class: ipsec.IPSecGateway	Severity: major Implicitly cleared: true Default probable cause: gatewayDown (592)	<ul style="list-style-type: none"> 11.0 12.0
Description: The alarm is raised when the Operational State of a SAP IPsec gateway changes to Down and the Administrative State is Up.		
Raising condition: (('Operational State' NOT EQUAL 'Up') AND ('Administrative State' EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: Fix the errors indicated in operational flag.		

Table 11-150 IPSEclsaGrpDown

Alarm	Attributes	Applicable major NE releases
Name: IPSEclsaGrpDown (3745) Type: equipmentAlarm (3) Package: isa Raised on class: isa.IPSEclsaGroup	Severity: major Implicitly cleared: true Default probable cause: IPSEclsaGrpDown (1480)	<ul style="list-style-type: none"> 11.0 12.0
Description: The alarm is raised when the Operational State of an ISA IPsec group is Down and the Administrative State is Up.		
Raising condition: (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
Clearing condition: (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
Remedial action: The operational state of the ISA-Tunnel Group is down, despite the administrative state being up. Check that the configured ISA-Tunnel Group Member MDA(s) are active and operationally up. There may be a fault with the ISA Application IPsec(Tunnel) Group.		

Table 11-151 IPSecTunnelBfdConnectionBroken

Alarm	Attributes	Applicable major NE releases
Name: IPSecTunnelBfdConnectionBroken (831) Type: serviceAlarm (16) Package: ipsec Raised on class: ipsec.IPSecTunnelBfd	Severity: minor Implicitly cleared: true Default probable cause: bfdSessionConnectionBroken (593)	<ul style="list-style-type: none"> • 11.0 • 12.0
Description: The alarm is raised when the BFD connection to a peer times out.		
Raising condition: ('Operational State' EQUAL 'Timed Out')		
Clearing condition: ('Operational State' NOT EQUAL 'Timed Out')		
Remedial action: Check if the route to the BFD peer exist and is up.		

Table 11-152 IPSecTunnelBfdConnectionDown

Alarm	Attributes	Applicable major NE releases
Name: IPSecTunnelBfdConnectionDown (832) Type: serviceAlarm (16) Package: ipsec Raised on class: ipsec.IPSecTunnelBfd	Severity: minor Implicitly cleared: true Default probable cause: bfdSessionDown (346)	<ul style="list-style-type: none"> • 11.0 • 12.0
Description: The alarm is raised when the Operational State of a BFD session is Not Connected.		
Raising condition: ('Operational State' NOT EQUAL 'Operational')		
Clearing condition: ('Operational State' EQUAL 'Operational')		
Remedial action: Check if the route to the BFD peer exist and is up.		

Table 11-153 IPSecTunnelBfdConnectionPeerDetectsDown

Alarm	Attributes	Applicable major NE releases
Name: IPSecTunnelBfdConnectionPeerDetectsDown (833) Type: serviceAlarm (16) Package: ipsec Raised on class: ipsec.IPSecTunnelBfd	Severity: minor Implicitly cleared: true Default probable cause: bfdSessionConnectionPeerDetectsDown (594)	<ul style="list-style-type: none"> • 11.0 • 12.0
Description: The alarm is raised when a BFD peer detects a connection timeout.		
Raising condition: ('Operational State' EQUAL 'Down')		
Clearing condition: ('Operational State' NOT EQUAL 'Down')		
Remedial action: Check if the route to the BFD peer exist and is up.		

Table 11-154 IPSecTunnelDown

Alarm	Attributes	Applicable major NE releases
Name: IPSecTunnelDown (834) Type: serviceAlarm (16) Package: ipsec Raised on class: ipsec.IPSecTunnel	Severity: major Implicitly cleared: true Default probable cause: tunnelDown (23)	<ul style="list-style-type: none"> • 11.0 • 12.0
Description: The alarm is raised when the IPsec tunnel Operational State changes to Down and the Administrative State is Up.		
Raising condition: (('Operational State' NOT EQUAL 'Up') AND ('Administrative State' EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: Fix the errors indicated in operational flag.		

Table 11-155 IsaAaGrpDown

Alarm	Attributes	Applicable major NE releases
Name: IsaAaGrpDown (647) Type: equipmentAlarm (3) Package: isa Raised on class: isa.AaGroup	Severity: major Implicitly cleared: true Default probable cause: IsaAaGrpDown (482)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an ISA-AA group Operational State is Down, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: The operational state of the ISA-AA group is down, despite the administrative state being up. Check that the configured ISA-AA Group Member MDA(s) are active and operationally up. There may be a fault with the ISA Application Assurance MDA.		

Table 11-156 IsaAaSubUnassigned

Alarm	Attributes	Applicable major NE releases
Name: IsaAaSubUnassigned (836) Type: equipmentAlarm (3) Package: isa Raised on class: isa.AaGroup	Severity: warning Implicitly cleared: true Default probable cause: IsaAaSubUnassigned (596)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a subscriber cannot be assigned to an ISA-AA MDA in an AA group because of insufficient service queues, a high AA subscriber count, or a high AA subscriber statistics collection rate. The unassigned subscriber is treated as specified by the Operation Upon Failure parameter in the AA group. Recovery from this condition requires the removal and recreation of the AA subscriber when sufficient resources are available.		
Raising condition: (('Number of Unassigned ESM Subscribers' NOT EQUAL '0L') OR ('Number of Unassigned SAP Subscribers' NOT EQUAL '0L') OR ('Number of Unassigned Spoke SDP Subscribers' NOT EQUAL '0L'))		

(1 of 2)

11 – Alcatel-Lucent 7450 ESS alarms

Alarm	Attributes	Applicable major NE releases
Clearing condition: (('Number of Unassigned ESM Subscribers' EQUAL '0L') AND ('Number of Unassigned SAP Subscribers' EQUAL '0L') AND ('Number of Unassigned Spoke SDP Subscribers' EQUAL '0L'))		
Remedial action: The subscriber cannot be assigned to an ISA-AA MDA in an AA group because of insufficient service queues, a high AA subscriber count, or a high AA subscriber statistics collection rate. Remove and recreate the AA subscriber when sufficient resources are available.		

(2 of 2)

Table 11-157 IsaLnsGrpDown

Alarm	Attributes	Applicable major NE releases
Name: IsaLnsGrpDown (1119) Type: equipmentAlarm (3) Package: isa Raised on class: isa.LnsGroup	Severity: major Implicitly cleared: true Default probable cause: IsaLnsGrpDown (831)	<ul style="list-style-type: none"> • 11.0 • 12.0
Description: The alarm is raised when the Operational State of an ISA-LNS group is Down and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: This alarm is caused by administrative shutdown or equipment failure of the MDA members. Review the status of the underlying ISA MDA group members and ensure they are operational.		

Table 11-158 IsaVideoGrpDown

Alarm	Attributes	Applicable major NE releases
Name: IsaVideoGrpDown (775) Type: equipmentAlarm (3) Package: isa Raised on class: isa.VideoGroup	Severity: major Implicitly cleared: true Default probable cause: IsaVideoGrpDown (550)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the Operational State of an ISA video group is Down and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: The operational state of the ISA-Video Group is down, despite the administrative state being up. Check that the configured ISA-Video Group Member MDA(s) are active and operationally up. There may be a fault with the ISA Application Video Group.		

Table 11-159 IsisAdjacencyDown

Alarm	Attributes	Applicable major NE releases
Name: IsisAdjacencyDown (153) Type: adjacencyAlarm (31) Package: isis Raised on class: isis.Interface	Severity: minor Implicitly cleared: true Default probable cause: IsisInterfaceDown (232)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an IS-IS interface has no adjacencies, for example, because the IS-IS protocol on the remote site is down.		
Raising condition: (('Adjacency Count' EQUAL '0L') AND ('interfaceClass' NOT EQUAL 'System') AND ('Passive' NOT EQUAL 'True'))		
Clearing condition: (('Adjacency Count' > '0L') OR ('Passive' EQUAL 'True'))		
Remedial action: Check remote site to see if corresponding IS-IS interface is configured and admin up.		

Table 11-160 IsisDown

Alarm	Attributes	Applicable major NE releases
Name: IsisDown (19) Type: ProtocolAlarm (1) Package: isis Raised on class: isis.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an IS-IS site has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: The protocol is not working anymore, could be a problem with IP addresses, resources on the device, ...		

Table 11-161 IsisInterfaceDown

Alarm	Attributes	Applicable major NE releases
Name: IsisInterfaceDown (301) Type: ProtocolAlarm (1) Package: isis Raised on class: isis.Interface	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an IS-IS interface has an Operational State other than Up.		
Raising condition: ('Operational State' EQUAL 'Down')		
Clearing condition: ('Operational State' NOT EQUAL 'Down')		
Remedial action: Check if underlying port is down, or associated network interface is down.		

Table 11-162 KeepAliveProblem

Alarm	Attributes	Applicable major NE releases
Name: KeepAliveProblem (100) Type: oamAlarm (18) Package: svt Raised on class: svt.Tunnel	Severity: warning Implicitly cleared: true Default probable cause: keepAliveFailed (86)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the 5620 SAM detects a keep-alive protocol status of senderIdInvalid or responderIdError.		
Raising condition: (('Keep-Alive State' NOT EQUAL 'Disabled') AND ('Keep-Alive State' NOT EQUAL 'Alive') AND ('Keep-Alive State' NOT EQUAL 'Unknown'))		
Clearing condition: (('Keep-Alive State' EQUAL 'Disabled') OR ('Keep-Alive State' EQUAL 'Alive') OR ('Keep-Alive State' EQUAL 'Unknown'))		
Remedial action: Check the configuration of this tunnel and underlying physical transport.		

Table 11-163 L2TPDown

Alarm	Attributes	Applicable major NE releases
Name: L2TPDown (841) Type: ProtocolAlarm (1) Package: l2tp Raised on class: l2tp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an L2TP site becomes administratively down. The alarm clears when the L2TP site becomes administratively up.		
Raising condition: ('Administrative State' EQUAL 'Down')		
Clearing condition: ('Administrative State' EQUAL 'Up')		
Remedial action: This alarm indicates that the L2TP protocol administrative state is down. It is cleared automatically when L2TP administrative state is up again. Please verify the L2TP configuration. This alarm can be safely suppressed if L2TP is not used.		

Table 11-164 LabelProblem

Alarm	Attributes	Applicable major NE releases
Name: LabelProblem (98) Type: CircuitAlarm (17) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: labelProblem (84)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an ingress or an egress label is missing.		
Raising condition: (('Operational State' EQUAL 'No Egress Label') OR ('Operational State' EQUAL 'No Ingress Label') OR ('Operational State' EQUAL 'No Labels'))		
Clearing condition: (('Operational State' NOT EQUAL 'No Egress Label') AND ('Operational State' NOT EQUAL 'No Ingress Label') AND ('Operational State' NOT EQUAL 'No Labels'))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: An ingress or egress label is missing for the SDP binding.		

(2 of 2)

Table 11-165 LagDown

Alarm	Attributes	Applicable major NE releases
Name: LagDown (20) Type: equipmentAlarm (3) Package: lag Raised on class: lag.Interface	Severity: critical Implicitly cleared: true Default probable cause: lagDown (17)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when all ports in a LAG are operationally down.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
Clearing condition: (('operationalState' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: This alarm indicates that all physical Ethernet links associated with a LAG are operationally down. The reasons for the links to be down may vary from link to link. The following possible causes of this alarm should be investigated. The physical port (near end or far end may have failed - this can be remedied by replacing the interface card in question. The physical links may have been turned down administratively - re-enable the links. A cable failure or disconnect may have occurred - please ensure that the cables are properly connected to the physical port and and that the cable has not been damaged.		

Table 11-166 LagPortAddFailed

Alarm	Attributes	Applicable major NE releases
Name: LagPortAddFailed (422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: warning Implicitly cleared: true Default probable cause: linkDown (315)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the Lag Port Add function Fails.		
Raising condition: (('state' EQUAL 'Link Down') AND ('LAG ID' > '0'))		
Clearing condition: (('state' NOT EQUAL 'Link Down') OR ('LAG ID' EQUAL '0'))		
Remedial action: A configuration error has occurred which must be corrected. The link that was to be added to the LAG group may be of the wrong type (i.e. non ethernet) or the limit of the number of links supported in a LAG may have been reached.		

Table 11-167 LdpDown

Alarm	Attributes	Applicable major NE releases
Name: LdpDown (22) Type: ProtocolAlarm (1) Package: ldp Raised on class: ldp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an LDP site has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: Check operational state down reason and update accordingly.		

Table 11-168 LdpSessionNonexistent

Alarm	Attributes	Applicable major NE releases
Name: LdpSessionNonexistent (2954) Type: LdpSessionAlarm (101) Package: ldp Raised on class: ldp.Session	Severity: critical Implicitly cleared: true Default probable cause: LdpSessionDown (1149)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an LDP session is non-existent.		
Raising condition: ('Session State' EQUAL 'Non-existent')		
Clearing condition: ('Session State' EQUAL 'Operational')		
Remedial action: Please check the LDP session path to make sure all associated protocols/interfaces/connections are OK.		

Table 11-169 LdpTargetedPeerDown

Alarm	Attributes	Applicable major NE releases
Name: LdpTargetedPeerDown (23) Type: ProtocolAlarm (1) Package: ldp Raised on class: ldp.TargetedPeer	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an LDP targeted peer is operationally down.		
Raising condition: (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
Clearing condition: (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
Remedial action: Please check the route to LDP targeted peer to make sure all associated protocols/interfaces/connections are OK.		

Table 11-170 LicensedLimitExceeded

Alarm	Attributes	Applicable major NE releases
Name: LicensedLimitExceeded (127) Type: licensingAlarm (23) Package: security Raised on class: security.ProductLicense	Severity: critical Implicitly cleared: true Default probable cause: licensedLimitExceeded (106)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the license items in the network exceeds 100 percent of the license capacity.		
Raising condition: ('Exceeded' EQUAL 'true')		
Clearing condition: ('Exceeded' NOT EQUAL 'true')		
Remedial action: Informational - The number of SAM licenses purchased and available on the SAM server is insufficient as compared to the number of NEs/MDA/Cells under management in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

Table 11-171 LineAlarmIndicationSignal

Alarm	Attributes	Applicable major NE releases
Name: LineAlarmIndicationSignal (84) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: lineAlarmIndicationSignal (70)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a SONET port reports an LAIS error. The alarm corresponds to the lais alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'Line Alarm Indication Signal') AND ('Report Alarms'anyBit'Line Alarm Indication Signal'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Line Alarm Indication Signal') AND ('Report Alarms'anyBit'Line Alarm Indication Signal'))))		
Remedial action: Informational only.		

Table 11-172 LineErrorCondition

Alarm	Attributes	Applicable major NE releases
Name: LineErrorCondition (94) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: lineErrorCondition (80)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a SONET port reports a line error condition that a remote NE raises because of b1 errors received from the local NE. The alarm corresponds to the lrei alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'Line Error Condition') AND ('Report Alarms'anyBit'Line Error Condition'))		

(1 of 2)

11 – Alcatel-Lucent 7450 ESS alarms

Alarm	Attributes	Applicable major NE releases
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Line Error Condition') AND ('Report Alarms'anyBit'Line Error Condition'))))		
Remedial action: Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

(2 of 2)

Table 11-173 LineRemoteDefectIndication

Alarm	Attributes	Applicable major NE releases
Name: LineRemoteDefectIndication (85) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: lineRemoteDefectIndication (71)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a SONET port reports a line remote defect indication error caused by an LOF, LOC, or LOS condition. The alarm corresponds to the Irdi alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'Line Remote Defect Indication') AND ('Report Alarms'anyBit'Line Remote Defect Indication'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Line Remote Defect Indication') AND ('Report Alarms'anyBit'Line Remote Defect Indication'))))		
Remedial action: Informational only.		

Table 11-174 LinkDown

Alarm	Attributes	Applicable major NE releases
Name: LinkDown (12) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: portLinkProblem (10)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a port has no associated physical link or remote end point is operationally down.		
Raising condition: (('compositeEquipmentState' EQUAL 'Link Down') OR ('compositeEquipmentState' EQUAL 'Oper Down'))		
Clearing condition: (('compositeEquipmentState' NOT EQUAL 'Link Down') AND ('compositeEquipmentState' NOT EQUAL 'Oper Down'))		
Remedial action: Please make sure that port has physical link and remote end point is operationally up.		

Table 11-175 LocalRncvOperDown

Alarm	Attributes	Applicable major NE releases
Name: LocalRncvOperDown (521) Type: redundancyAlarm (52) Package: multichassis Raised on class: multichassis.MultiChassisRingNode	Severity: major Implicitly cleared: true Default probable cause: localRncvDisconnected (396)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the local RNCV Operational State of a ring node is other than Connected or NotTested, which means that the ring node is not connected to the local MC ring group. The alarm clears when the ring node enters the Connected or NotTested state.		
Raising condition: (('Local Operational State' NOT EQUAL 'Connected') AND ('Local Operational State' NOT EQUAL 'Not Tested'))		
Clearing condition: (('Local Operational State' EQUAL 'Connected') OR ('Local Operational State' EQUAL 'Not Tested'))		
Remedial action: Make sure that ring node is properly connected to MC ring group.		

Table 11-176 LossOfClock (sonetequipment)

Alarm	Attributes	Applicable major NE releases
Name: LossOfClock (83) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: lossOfClock (69)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a SONET port reports an LOC condition, which causes the NE to set the port Operational State to Down.		
Raising condition: (('Outstanding Alarms'anyBit'Loss of Clock') AND ('Report Alarms'anyBit'Loss of Clock'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'Loss of Clock') AND ('Report Alarms'anyBit'Loss of Clock'))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected.		

Table 11-177 LowTemperatureDetected

Alarm	Attributes	Applicable major NE releases
Name: LowTemperatureDetected (1127) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOvercooled (838)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the chassis temperature falls below the minimum threshold.		
Raising condition: ('Low Temperature State' EQUAL 'Low')		
Clearing condition: ('Low Temperature State' NOT EQUAL 'Low')		

(1 of 2)

11 – Alcatel-Lucent 7450 ESS alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: The NE has detected internal temperatures which are abnormally low. This may happen when the environment that the NE is operating in may not be within specifications found in the NE user guides.		

(2 of 2)

Table 11-178 LspDown

Alarm	Attributes	Applicable major NE releases
Name: LspDown (25) Type: pathAlarm (12) Package: mpls Raised on class: mpls.Lsp	Severity: critical Implicitly cleared: true Default probable cause: LspDown (19)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the Operational State of an LSP is Down, but the Administrative State is Up.		
Raising condition: (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
Clearing condition: (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
Remedial action: So many things can cause LSP down, check if source and destination interfaces are down, LSP path is down and the failure code, or MPLS path is down...		

Table 11-179 LspPathBypassTunnelActive

Alarm	Attributes	Applicable major NE releases
Name: LspPathBypassTunnelActive (264) Type: pathAlarm (12) Package: mpls Raised on class: mpls.LspPath	Severity: warning Implicitly cleared: true Default probable cause: LspPathReroutedToBypassTunnel (197)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an LSP primary path is rerouted to the bypass tunnel. The alarm clears when the primary path returns to the original tunnel and the actual hop returns to the primary path.		
Raising condition: ('Bypass Tunnel Active' EQUAL 'true')		
Clearing condition: ('Bypass Tunnel Active' EQUAL 'false')		
Remedial action: There is a problem with the original path, check what is the problem and fix it if possible.		

Table 11-180 LspPathDown

Alarm	Attributes	Applicable major NE releases
Name: LspPathDown (26) Type: pathAlarm (12) Package: mpls Raised on class: mpls.LspPath	Severity: major Implicitly cleared: true Default probable cause: LspPathDown (20)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when an LSP path is operationally down.		
Raising condition: (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up') AND ('Type' EQUAL 'Standby'))		
Clearing condition: (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up') OR ('Type' EQUAL 'Secondary'))		
Remedial action: Check the failure code and update accordingly, e.g. whether MPLS/RSVP interfaces, OSPF interfaces are down.		

(2 of 2)

Table 11-181 LSRPATHDown

Alarm	Attributes	Applicable major NE releases
Name: LSRPATHDown (4898) Type: pathAlarm (12) Package: mplstp Raised on class: mplstp.TPLSRPath	Severity: critical Implicitly cleared: true Default probable cause: LSRPATHDown (1955)	<ul style="list-style-type: none"> • 11.0 • 12.0
Description: The alarm is raised when the TP LSR Path Administrative State is Up and the Operational State is Down. The alarm clears when the TP LSR Path Operational State changes to Up or the Administrative State changes to Down.		
Raising condition: (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up'))		
Clearing condition: (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up'))		
Remedial action: The Operational state of the TP LSR Path is down, despite the Administrative state being up. Review the configuration and make sure that the Administrative state is up, the forward and reverse labels are set and the Out-Link interface is operationally up.		

Table 11-182 macMoveRateExceeded (service)

Alarm	Attributes	Applicable major NE releases
Name: macMoveRateExceeded (3690) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: minor Implicitly cleared: true Default probable cause: MacMoveRateExceeded (1429)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site.		
Raising condition: ('State Cause'anyBit'Relearn Limit Exceeded')		
Clearing condition: NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		
Remedial action: Informational.		

Table 11-183 macMoveRateExceeded (svt)

Alarm	Attributes	Applicable major NE releases
Name: macMoveRateExceeded (3690) Type: SpokeSdpBindingAlarm (104) Package: svt Raised on class: svt.SpokeSdpBinding	Severity: minor Implicitly cleared: true Default probable cause: MacMoveRateExceeded (1429)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the SDP exceeds the Service Site's MAC Move Frequency.		
Raising condition: ('operationalFlags'anyBit'Relearn Limit Exceeded')		
Clearing condition: NOT (('operationalFlags'anyBit'Relearn Limit Exceeded'))		
Remedial action: Check Service Site MAC move frequency or underlying physical link to understand issue.		

Table 11-184 macMoveRateExceededNonBlock (service)

Alarm	Attributes	Applicable major NE releases
Name: macMoveRateExceededNonBlock (4893) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: info Implicitly cleared: true Default probable cause: MacMoveRateExceededNonBlock (1951)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site when limitMacMove(sapTIsLimitMacMove) is set to 'nonBlocking'.		
Raising condition: ('State Cause'anyBit'Relearn Limit Exceeded')		
Clearing condition: NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		
Remedial action: Informational - User can adjust the value of 'MAC Move Maximum Rate' to reduce the frequency of this alarm.		

Table 11-185 macMoveRateExceededNonBlock (svt)

Alarm	Attributes	Applicable major NE releases
Name: macMoveRateExceededNonBlock (4893) Type: SpokeSdpBindingAlarm (104) Package: svt Raised on class: svt.SpokeSdpBinding	Severity: info Implicitly cleared: true Default probable cause: MacMoveRateExceededNonBlock (1951)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the SDP exceeds the Service Site's MAC Move Frequency even when limitMacMove(sdpBindTIsLimitMacMove) is set to 'nonBlocking'.		
Raising condition: ('operationalFlags'anyBit'Relearn Limit Exceeded')		
Clearing condition: NOT (('operationalFlags'anyBit'Relearn Limit Exceeded'))		
Remedial action: Informational - User can adjust the value of 'MAC Move Maximum Rate' to reduce the frequency of this alarm.		

Table 11-186 McIPsecPeerTunnelGroupMissing

Alarm	Attributes	Applicable major NE releases
Name: McIPsecPeerTunnelGroupMissing (4815) Type: configurationAlarm (11) Package: multichassis Raised on class: multichassis.McPeerIPSecTunnelGroup	Severity: major Implicitly cleared: true Default probable cause: IncompleteConfig (557)	<ul style="list-style-type: none"> • 11.0 • 12.0
Description: The alarm is raised when the 5620 SAM cannot find the peer MC IPsec tunnel group. This can be either the peer tunnel group is misconfigured or the local peer group ID is not configured.		
Raising condition: ('peerTunnelGroupPointer' EQUAL '\')		
Clearing condition: ('peerTunnelGroupPointer' NOT EQUAL '\')		
Remedial action: Configure the missing peered MC IPsec tunnel group or check the local tunnel group's peer group ID has been configured, or delete this one if it is not used.		

Table 11-187 McIPsecTunnelGroupDown

Alarm	Attributes	Applicable major NE releases
Name: McIPsecTunnelGroupDown (4816) Type: redundancyAlarm (52) Package: multichassis Raised on class: multichassis.McPeerIPSecTunnelGroup	Severity: major Implicitly cleared: true Default probable cause: ipsecTunnelGroupDown (1901)	<ul style="list-style-type: none"> • 11.0 • 12.0
Description: The alarm is raised when a MC IPsec tunnel group is operationally down while it is administratively up.		
Raising condition: (('Operational State' NOT EQUAL 'Up') AND ('Administrative State' EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: Check if the physical ISA IPsec Tunnel Group or the associated MDA is operationally down.		

Table 11-188 MCLagDown (lag)

Alarm	Attributes	Applicable major NE releases
Name: MCLagDown (394) Type: equipmentAlarm (3) Package: lag Raised on class: lag.MultiChassisLagSpecifics	Severity: critical Implicitly cleared: true Default probable cause: mclagDown (295)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when all ports in an MC LAG are operationally down.		
Raising condition: (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
Clearing condition: (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		

(1 of 2)

11 – Alcatel-Lucent 7450 ESS alarms

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

(2 of 2)

Table 11-189 MCLagDown (multichassis)

Alarm	Attributes	Applicable major NE releases
Name: MCLagDown (394) Type: equipmentAlarm (3) Package: multichassis Raised on class: multichassis.MultiChassisLagPeerSpecifics	Severity: critical Implicitly cleared: true Default probable cause: mclagDown (295)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when all ports in an MC LAG are operationally Down.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: This alarm indicates that all physical Ethernet links associated with a LAG are operationally down. The reasons for the links to be down may vary from link to link. The following possible causes of this alarm should be investigated. The physical port (near end or far end may have failed - this can be remedied by replacing the interface card in question. The physical links may have been turned down administratively - re-enable the links. A cable failure or disconnect may have occurred - please ensure that the cables are properly connected to the physical port and and that the cable has not been damaged.		

Table 11-190 MCPeerEPDown

Alarm	Attributes	Applicable major NE releases
Name: MCPeerEPDown (1069) Type: equipmentAlarm (3) Package: multichassis Raised on class: multichassis.MultiChassisEndpoint	Severity: critical Implicitly cleared: true Default probable cause: MCPeerEPDown (811)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an MC endpoint is operationally down.		
Raising condition: (('Operational State' NOT EQUAL 'Up') AND ('Administrative State' EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: Bring up the all End Point Members.		

Table 11-191 MepAISReceivedAlarm

Alarm	Attributes	Applicable major NE releases
Name: MepAISReceivedAlarm (2945) Type: oamAlarm (18) Package: ethernetOam Raised on class: ethernetOam.Mep	Severity: variable Implicitly cleared: true Default probable cause: missingRemoteMep (388)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a MEP Receives AIS test frames from one or more of its sub-layer MEPs.		
Raising condition: (('AIS Received (AisRx)' EQUAL 'true') AND ('Facility VLAN ID' EQUAL '0'))		
Clearing condition: ('AIS Received (AisRx)' EQUAL 'false')		
Remedial action: This alarm indicates that it has received a MEP fault from a sub-layer MEP, user should investigate the fault cause on the sub-layer MEP and resolve this root cause issue.		

Table 11-192 MigrationCompleted

Alarm	Attributes	Applicable major NE releases
Name: MigrationCompleted (753) Type: migrationComplete (62) Package: equipment Raised on class: equipment.NeCardSwapTask	Severity: info Implicitly cleared: false Default probable cause: migrationComplete (529)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a card migration event completes.		
Raising condition: ('Status' EQUAL 'Migration completed')		
Remedial action: Informational - no corrective action required.		

Table 11-193 MigrationFailed

Alarm	Attributes	Applicable major NE releases
Name: MigrationFailed (754) Type: migrationFailure (63) Package: equipment Raised on class: equipment.NeCardSwapTask	Severity: major Implicitly cleared: false Default probable cause: migrationFailure (530)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a card migration event fails.		
Raising condition: (('Status' EQUAL 'Failed - Latest configuration not available') OR ('Status' EQUAL 'Failed - Unable to migrate configuration') OR ('Status' EQUAL 'Failed - Unable to transfer migrated configuration') OR ('Status' EQUAL 'Failed - Unable to reboot network element'))		
Remedial action: This alarm is raised when a card migration fails. The operation has failed for one of the following reasons - a configuration backu could not be created, the configuration transfer failed or the attempt to reboot the card failed. Please re-attempt the migration. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 11-194 MissingLocalEntry

Alarm	Attributes	Applicable major NE releases
Name: MissingLocalEntry (291) Type: configurationAlarm (11) Package: l2fwd Raised on class: l2fwd.ServiceMacProtection	Severity: minor Implicitly cleared: true Default probable cause: Protected_Mac_Address_Not_Global (222)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a protected MAC address is not configured on all sites of a VPLS. This can occur if the protected MAC address is added or removed using a CLI.		
Raising condition: ('isEntryGlobal' EQUAL 'false')		
Clearing condition: ('isEntryGlobal' EQUAL 'true')		
Remedial action: Configure the 'Protected MAC Address' on all the VPLS sites.		

Table 11-195 MldDown

Alarm	Attributes	Applicable major NE releases
Name: MldDown (587) Type: ProtocolAlarm (1) Package: mld Raised on class: mld.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an MLD site has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: Check the base router and system are configured correctly.		

Table 11-196 MldMaxGrpSrcsLimitExceeded

Alarm	Attributes	Applicable major NE releases
Name: MldMaxGrpSrcsLimitExceeded (5395) Type: configurationAlarm (11) Package: mld Raised on class: mld.Interface	Severity: major Implicitly cleared: false Default probable cause: MldMaxGrpSrcsLimitExceeded (2110)	<ul style="list-style-type: none"> • 11.0 • 12.0
Description: The alarm is raised when an attempt is made to configure an MLD group source for a group when the number of group sources for this group is equal to 'maxGrpSources', the maximum number of group sources per group supported on the interface.		
Remedial action: Increase the value of the 'Maximum Number of Group Sources' attribute in the parent MLD interface so that the number of active MLD group sources stays under the configured threshold.		

Table 11-197 MldMaxSrcsLimitExceeded

Alarm	Attributes	Applicable major NE releases
Name: MldMaxSrcsLimitExceeded (5396) Type: configurationAlarm (11) Package: mld Raised on class: mld.Interface	Severity: major Implicitly cleared: false Default probable cause: MldMaxSrcsLimitExceeded (2111)	<ul style="list-style-type: none"> 12.0
Description: The alarm is raised when an attempt is made to configure an MLD source for a group when the number of sources for this group is equal to 'maxSources', the Maximum Number of Sources per group supported on the interface.		
Remedial action: Increase 'Maximum Number Of Sources' value to allow more sources on this interface.		

Table 11-198 MobileConnectorDown

Alarm	Attributes	Applicable major NE releases
Name: MobileConnectorDown (1064) Type: EpcAlarm (59) Package: Iteservice Raised on class: Iteservice.MobileServiceConnector	Severity: minor Implicitly cleared: true Default probable cause: EpcDown (519)	<ul style="list-style-type: none"> 10.0 11.0 12.0 9.0
Description: The alarm is raised when the 5620 SAM no longer manages the EPS path instance of this mobile service site. As a result, the service must be regenerated.		
Raising condition: ('EPS Path' EQUAL '\')		
Clearing condition: ('EPS Path' NOT EQUAL '\')		
Remedial action: The underlying transport network has gone down resulting in the deletion of a mobile service connector (EPS path). Correct the issue with the transport network and regenerate the mobile service connector by clicking on the re-calculate button on the mobile service properties form.		

Table 11-199 MplsDown

Alarm	Attributes	Applicable major NE releases
Name: MplsDown (27) Type: ProtocolAlarm (1) Package: mpls Raised on class: mpls.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> 10.0 11.0 12.0 9.0
Description: The alarm is raised when an MPLS site has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: Check operational down reason and update accordingly.		

Table 11-200 MplsPathUpdateFailed

Alarm	Attributes	Applicable major NE releases
Name: MplsPathUpdateFailed (1066) Type: pathAlarm (12) Package: mpls Raised on class: mpls.LspPath	Severity: major Implicitly cleared: true Default probable cause: mbbRetryExceeded (804) Applicable probable causes: <ul style="list-style-type: none"> • mbbRetryExceeded • lspPathGoingDown • startingHighPriMbb • restartingMbb • highPriMbbInProg 	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an MPLS path update fails because of an MBB problem. The alarm clears when the MBB status changes to Successful.		
Raising condition: (('mbbStatus' NOT EQUAL 'None') AND ('mbbStatus' NOT EQUAL 'Successful'))		
Clearing condition: (('Last Performed State' EQUAL 'Success') OR ('Administrative' EQUAL 'Down') OR (('Operational' EQUAL 'Up') AND ('Last Performed State' EQUAL 'None')))		
Remedial action: Based on the probable cause, change the parameters and update the path again.		

Table 11-201 MrpAttrTblSizeLimitReached

Alarm	Attributes	Applicable major NE releases
Name: MrpAttrTblSizeLimitReached (574) Type: resourceAlarm (28) Package: l2fwd Raised on class: l2fwd.SiteMrp	Severity: major Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the number of MRP attribute table entries for a service site exceeds the high watermark specified by l2fwd.SiteMrp.mrpAttrTblHighWatermark. The alarm clears when the number of MRP attribute table entries for the site drops below the low watermark specified by l2fwd.SiteMrp.mrpAttrTblLowWatermark.		
Raising condition: (('MRP Attribute Count' >= 'MRP Max Attributes') OR ('MRP Attribute Count' >= (('MRP Attribute-Table-High-Watermark' * 'MRP Max Attributes') / 100.0)))		
Clearing condition: (('MRP Attribute Count' < 'MRP Max Attributes') AND (('MRP Attribute-Table-High-Watermark' EQUAL '0') OR ('MRP Attribute Count' < (('MRP Attribute-Table-Low-Watermark' * 'MRP Max Attributes') / 100.0))) AND (('MRP Attribute-Table-Low-Watermark' EQUAL '0') OR ('MRP Attribute Count' < (('MRP Attribute-Table-Low-Watermark' * 'MRP Max Attributes') / 100.0)))		
Remedial action: Informational		

Table 11-202 MsdpDown

Alarm	Attributes	Applicable major NE releases
Name: MsdpDown (353) Type: ProtocolAlarm (1) Package: msdp Raised on class: msdp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an MSDP site is administratively down. The alarm clears when the site is administratively up.		
Raising condition: (('Administrative State' EQUAL 'Down'))		
Clearing condition: (('Administrative State' NOT EQUAL 'Down'))		
Remedial action: Turn up the MSDP site.		

Table 11-203 MsPwFecRetryExpired

Alarm	Attributes	Applicable major NE releases
Name: MsPwFecRetryExpired (3694) Type: serviceAlarm (16) Package: svt Raised on class: svt.SpokeSdpFec	Severity: minor Implicitly cleared: true Default probable cause: msPwFecRetryExpired (1433)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a trap is received because of retry expired. The alarm is cleared when the retry starts again.		
Raising condition: ('Retry Expired' EQUAL 'true')		
Clearing condition: ('Retry Expired' EQUAL 'false')		
Remedial action: May need to shutdown the multi-segment pseudo-wire provider edge to restart the retries.		

Table 11-204 MultiChassisRingDown

Alarm	Attributes	Applicable major NE releases
Name: MultiChassisRingDown (520) Type: redundancyAlarm (52) Package: multichassis Raised on class: multichassis.MultiChassisRing	Severity: major Implicitly cleared: true Default probable cause: ringDown (395)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a MC ring group Operational State is not in the Connected state. The alarm is cleared when the ring group enters the Connected state.		
Raising condition: ('Operational State' NOT EQUAL 'Connected')		
Clearing condition: ('Operational State' EQUAL 'Connected')		
Remedial action: Check if MC ring is admin down, MC Sync is operational up, In-Band Control Connection is up, ring node is up ...		

Table 11-205 MvrConfiguredFromVplsNotExist

Alarm	Attributes	Applicable major NE releases
Name: MvrConfiguredFromVplsNotExist (219) Type: configurationAlarm (11) Package: vpls Raised on classes: <ul style="list-style-type: none"> vpls.L2AccessInterfaceMldMvrCfg vpls.L2AccessInterfaceMvrCfg 	Severity: warning Implicitly cleared: true Default probable cause: MvrConfiguredFromVplsNotExist (164)	<ul style="list-style-type: none"> 10.0 11.0 12.0 9.0
Description: The alarm is raised when an MVR source is an MVR VPLS that does not exist. The alarm clears when the MVR VPLS is created.		
Raising condition: ('fromVplsExists' EQUAL 'false')		
Clearing condition: (('fromVplsExists' EQUAL 'true') OR ('fromVplsId' EQUAL '0L'))		
Remedial action: Create the missing MVR VPLS.		

Table 11-206 MvrConfiguredProxySapNotExist

Alarm	Attributes	Applicable major NE releases
Name: MvrConfiguredProxySapNotExist (220) Type: configurationAlarm (11) Package: vpls Raised on classes: <ul style="list-style-type: none"> vpls.L2AccessInterfaceMldMvrCfg vpls.L2AccessInterfaceMvrCfg 	Severity: warning Implicitly cleared: true Default probable cause: MvrConfiguredProxySapNotExist (165)	<ul style="list-style-type: none"> 10.0 11.0 12.0 9.0
Description: The alarm is raised when a configured MVR proxy SAP does not exist. The alarm clears when the proxy SAP is created.		
Raising condition: ('proxySapExists' EQUAL 'false')		
Clearing condition: ('proxySapExists' EQUAL 'true')		
Remedial action: Create the missing proxy SAP.		

Table 11-207 MvrSiteDown

Alarm	Attributes	Applicable major NE releases
Name: MvrSiteDown (162) Type: ProtocolAlarm (1) Package: layer2 Raised on class: layer2.MvrSite	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> 10.0 11.0 12.0 9.0
Description: The alarm is raised when MVR is disabled on an NE and a TLS VLAN or MVR VLAN service is provisioned on the NE.		
Raising condition: ('MVR Admin Status' EQUAL 'Disabled')		
Clearing condition: ('MVR Admin Status' EQUAL 'Enabled')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: To clear the alarm, enable MVR Admin Status under the Bridge Instance.		

(2 of 2)

Table 11-208 NatDeterministicChange

Alarm	Attributes	Applicable major NE releases
Name: NatDeterministicChange (5122) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: minor Implicitly cleared: false Default probable cause: NatDeterministicMapChanged (2056)	<ul style="list-style-type: none"> • 11.0 • 12.0
Description: The alarm is raised when something changed in the Deterministic NAT map. Such a change may be caused by a modification of the Deterministic NAT Prefix or the Deterministic NAT Map.		
Remedial action: Managers that rely on the offline representation of the Deterministic NAT map should get an updated copy by saving the Deterministic NAT script.		

Table 11-209 NatIsaGrpDown

Alarm	Attributes	Applicable major NE releases
Name: NatIsaGrpDown (3887) Type: equipmentAlarm (3) Package: nat Raised on class: nat.NatIsaGroup	Severity: major Implicitly cleared: true Default probable cause: NatIsaGrpDown (1483)	<ul style="list-style-type: none"> • 11.0 • 12.0
Description: The alarm is raised when the Operational State of an NAT ISA group is Down and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: The operational state of the ISA-NAT Group is down, despite the administrative state being up. Check that the configured ISA-NAT Group Member MDA(s) are active and operationally up. There may be a fault with the ISA Application NAT Group.		

Table 11-210 NatLsnSubscriberIcmpPortUsageHigh

Alarm	Attributes	Applicable major NE releases
Name: NatLsnSubscriberIcmpPortUsageHigh (4860) Type: thresholdCrossed (6) Package: nat Raised on class: nat.NatManager	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> • 11.0
Description: The alarm is raised when the ICMP port usage of a large-scale NAT subscriber reaches the high or low watermark.		

(1 of 2)

11 – Alcatel-Lucent 7450 ESS alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: Review the watermarks configuration to make sure it matches the capacity of your network. If required, deploy extra equipment to deal with the demand.		

(2 of 2)

Table 11-211 NatLsnSubscriberIcmpPortUsgHigh

Alarm	Attributes	Applicable major NE releases
Name: NatLsnSubscriberIcmpPortUsgHigh (5397) Type: thresholdCrossed (6) Package: nat Raised on class: nat.NatManager	Severity: warning Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> 12.0
Description: The alarm is raised when the ICMP port usage of a large-scale NAT subscriber reaches the high or low watermark.		
Remedial action: Review the watermarks configuration to make sure it matches the capacity of your network. If required, deploy extra equipment to deal with the demand.		

Table 11-212 NatLsnSubscriberSessionUsageHigh

Alarm	Attributes	Applicable major NE releases
Name: NatLsnSubscriberSessionUsageHigh (4861) Type: thresholdCrossed (6) Package: nat Raised on class: nat.NatManager	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> 11.0
Description: The alarm is raised when the session usage of a large-scale NAT subscriber reaches the high watermark. The alarm will be cleared when the session usage of a large-scale NAT subscriber reaches its low watermark again.		
Remedial action: Review the watermarks configuration to make sure it matches the capacity of your network.		

Table 11-213 NatLsnSubscriberSessionUsgHigh

Alarm	Attributes	Applicable major NE releases
Name: NatLsnSubscriberSessionUsgHigh (5398) Type: thresholdCrossed (6) Package: nat Raised on class: nat.NatManager	Severity: warning Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> 12.0
Description: The alarm is raised when the session usage of a large-scale NAT subscriber reaches the high watermark. The alarm will be cleared when the session usage of a large-scale NAT subscriber reaches its low watermark again.		
Remedial action: Review the watermarks configuration to make sure it matches the capacity of your network.		

Table 11-214 NatLsnSubscriberTcpPortUsageHigh

Alarm	Attributes	Applicable major NE releases
Name: NatLsnSubscriberTcpPortUsageHigh (4862) Type: thresholdCrossed (6) Package: nat Raised on class: nat.NatManager	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> 11.0
Description: The alarm is raised when the TCP port usage of a large-scale NAT subscriber reaches the high or low watermark.		
Remedial action: Review the watermarks configuration to make sure it matches the capacity of your network. If required, deploy extra equipment to deal with the demand.		

Table 11-215 NatLsnSubscriberTcpPortUsgHigh

Alarm	Attributes	Applicable major NE releases
Name: NatLsnSubscriberTcpPortUsgHigh (5399) Type: thresholdCrossed (6) Package: nat Raised on class: nat.NatManager	Severity: warning Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> 12.0
Description: The alarm is raised when the TCP port usage of a large-scale NAT subscriber reaches the high or low watermark.		
Remedial action: Review the watermarks configuration to make sure it matches the capacity of your network. If required, deploy extra equipment to deal with the demand.		

Table 11-216 NatLsnSubscriberUdpPortUsageHigh

Alarm	Attributes	Applicable major NE releases
Name: NatLsnSubscriberUdpPortUsageHigh (4863) Type: thresholdCrossed (6) Package: nat Raised on class: nat.NatManager	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> 11.0
Description: The alarm is raised when the UDP port usage of a large-scale NAT subscriber reaches the high or low watermark.		
Remedial action: Review the watermarks configuration to make sure it matches the capacity of your network. If required, deploy extra equipment to deal with the demand.		

Table 11-217 NatLsnSubscriberUdpPortUsghigh

Alarm	Attributes	Applicable major NE releases
Name: NatLsnSubscriberUdpPortUsghigh (5400) Type: thresholdCrossed (6) Package: nat Raised on class: nat.NatManager	Severity: warning Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> 12.0
Description: The alarm is raised when the UDP port usage of a large-scale NAT subscriber reaches the high or low watermark.		
Remedial action: Review the watermarks configuration to make sure it matches the capacity of your network. If required, deploy extra equipment to deal with the demand.		

Table 11-218 NatMdaDetectsLoadSharingError

Alarm	Attributes	Applicable major NE releases
Name: NatMdaDetectsLoadSharingError (5120) Type: configurationAlarm (11) Package: nat Raised on class: nat.IsaMda	Severity: minor Implicitly cleared: false Default probable cause: NatMdaLoadSharingErrorDetected (2055)	<ul style="list-style-type: none"> 11.0 12.0
Description: The alarm is raised when node is sending periodically at most every 10 seconds while a NAT ISA MDA detects that it is receiving packets erroneously, due to incorrect load-balancing by the ingress IOM. The MDA drops all incorrectly load-balanced traffic.		
Remedial action: The ingress IOM hardware does not support a particular NAT function's load-balancing, for example an IOM-2 does not support deterministic NAT. Upgrade the ingress IOM, or change the configuration.		

Table 11-219 NatPcpSrvStateDown

Alarm	Attributes	Applicable major NE releases
Name: NatPcpSrvStateDown (4382) Type: communicationsAlarm (4) Package: nat Raised on class: nat.PcpServer	Severity: major Implicitly cleared: true Default probable cause: NatPcpSrvStateDown (1566)	<ul style="list-style-type: none"> 11.0 12.0
Description: The alarm is raised when the Operational State of an NAT PCP Server Changes		
Raising condition: (('Operational State' NOT EQUAL 'Up') AND ('Administrative State' EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: This alarm indicates the PCP Server Operational State is Down. Please check the State Description on the PCP server for detail information		

Table 11-220 NeighborDown

Alarm	Attributes	Applicable major NE releases
Name: NeighborDown (121) Type: NeighborDown (20) Package: ospf Raised on class: ospf.AbstractNeighbor	Severity: major Implicitly cleared: true Default probable cause: NeighborDown (103)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an OSPF interface neighbor is operationally Down.		
Raising condition: ('Operational State' NOT EQUAL 'full')		
Clearing condition: ('Operational State' EQUAL 'full')		
Remedial action: This alarm is raised when the OSPF interface neighbor is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 11-221 NeManagementAndTrapManagementMismatch

Alarm	Attributes	Applicable major NE releases
Name: NeManagementAndTrapManagementMismatch (1079) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: neManagementChange (817)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: This user-defined alarm is raised when the NE configuration is one of the following: - The Active Management IP is set to Out Of Band, and the Primary Route Preference is set to In Band. - The Active Management IP is set to In Band, and the Primary Route Preference is set to Out of Band.		
Raising condition: (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only'))) AND ('Primary Route Preference' EQUAL 'Out Of Band')) AND ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only'))) AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'Out Of Band'))		
Clearing condition: (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only'))) AND ('Primary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only'))) AND ('Primary Route Preference' EQUAL 'Out Of Band'))		
Remedial action: A configuration error has been made which must be corrected. The parameters described in the description for this alarm must match.		

Table 11-222 NewSsh2ServerKeyDetected

Alarm	Attributes	Applicable major NE releases
Name: NewSsh2ServerKeyDetected (285) Type: communicationsAlarm (4) Package: security Raised on class: security.KnownHostKey	Severity: warning Implicitly cleared: true Default probable cause: ssh2ServerKeyMismatch (217)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a 5620 SAM main server detects a new public SSH key.		
Raising condition: ('SSH2 Server Key Status' EQUAL 'Mismatch SSH2 Host Key')		
Clearing condition: ('SSH2 Server Key Status' EQUAL 'Active SSH2 Host Key')		
Remedial action: Informational - possible security breach. The SSH key of the router is different from the one known to the SAM server.		

Table 11-223 NodeDatabaseFallbackDetected

Alarm	Attributes	Applicable major NE releases
Name: NodeDatabaseFallbackDetected (2923) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseFallback (1121)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a configuration fallback is detected on the node and comes back up with a previous configuration. To correct this situation it might be necessary to reconfigure the node, or perform full resync its database with the 'fallback' configuration returned by the node.		
Raising condition: ('State' EQUAL 'Node Configuration Fallback')		
Clearing condition: ('State' EQUAL 'Managed')		
Remedial action: the NE has come back to a previous configuration. Perform a manual Full Resync or a Reconfigure of the NE		

Table 11-224 NodeDatabaseMisalignmentDetected

Alarm	Attributes	Applicable major NE releases
Name: NodeDatabaseMisalignmentDetected (2924) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseMisalignment (1122)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a configuration misalignment has been detected on the node and comes back up with an unexpected configuration (configuration change triggered by external tool) To correct this situation it might be necessary to reconfigure the node with the 5620 SAM's old configuration or accept the new configuration received from the node.		
Raising condition: ('State' EQUAL 'Node Configuration Misalignment')		
Clearing condition: ('State' EQUAL 'Managed')		
Remedial action: the NE configuration is misaligned. Perform a resync in order to update SAM configuration according to the NE.		

Table 11-225 NodeRebooted

Alarm	Attributes	Applicable major NE releases
Name: NodeRebooted (32) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: false Default probable cause: nodeReboot (25)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the 5620 SAM detects an NE reboot based on the latest NE sysUpTime value.		
Remedial action: Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 11-226 NodeSuspended

Alarm	Attributes	Applicable major NE releases
Name: NodeSuspended (5123) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: NodeSuspend (2057)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the 5620 SAM detects an NE moved to suspend state as per user request.		
Raising condition: ('SNMP Reachability' EQUAL 'Suspended')		
Clearing condition: ('SNMP Reachability' NOT EQUAL 'Suspended')		
Remedial action: This alarm is raised when user suspends the network element. The alarm will be cleared when the network element is managed back.		

Table 11-227 NoPeerMcRingFound

Alarm	Attributes	Applicable major NE releases
Name: NoPeerMcRingFound (782) Type: configurationAlarm (11) Package: multichassis Raised on class: multichassis.MultiChassisRing	Severity: major Implicitly cleared: true Default probable cause: IncompleteConfig (557)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the 5620 SAM cannot find the peer MC ring.		
Raising condition: ('Peer Multi-Chassis Ring' EQUAL '\')		
Clearing condition: ('Peer Multi-Chassis Ring' NOT EQUAL '\')		
Remedial action: Configure the missing peered MC ring, or delete this one if it is not used.		

Table 11-228 NTPOperDown

Alarm	Attributes	Applicable major NE releases
Name: NTPOperDown (4879) Type: communicationsAlarm (4) Package: ntp Raised on class: ntp.NTP	Severity: info Implicitly cleared: true Default probable cause: NTPOperDown (1943)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is generated when the NTP Operational State is down for NTP.		
Raising condition: (('Operational State' EQUAL 'Down') AND ('NTP State' EQUAL 'Enabled'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('NTP State' EQUAL 'Disabled'))		
Remedial action: Please check if NTP is administratively enabled (Admin State in NTP General Tab). If admin state down, enable it to make NTP operationally up.		

Table 11-229 ObsoleteProtocolInFilter

Alarm	Attributes	Applicable major NE releases
Name: ObsoleteProtocolInFilter (3706) Type: ConfigurationAlarm (15) Package: aapolicy Raised on class: aapolicy.ApplicationFilter	Severity: warning Implicitly cleared: false Default probable cause: obsoleteProtocolInFilter (1446)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0
Description: The alarm is raised when a local application filter refers to an obsolete application assurance protocol.		
Remedial action: Change the application filter configuration to use a protocol that is not Obsolete.		

Table 11-230 OFFlowEntryDeploymentCreateFailed

Alarm	Attributes	Applicable major NE releases
Name: OFFlowEntryDeploymentCreateFailed (5405) Type: processingErrorAlarm (81) Package: openflow Raised on class: openflow.OFAbstractFlowEntry	Severity: major Implicitly cleared: true Default probable cause: OFFlowEntryDeploymentCreateFailed (2113)	<ul style="list-style-type: none"> • 12.0
Description: The notification alarm is raised when the flow entry deployment create has failed.		
Raising condition: (('Deployment Status' EQUAL 'Creation Failed'))		
Clearing condition: (('Deployment Status' NOT EQUAL 'Creation Failed'))		
Remedial action: This alarm is raised when the OpenFlow switch rejects creation of the flow.		

Table 11-231 OFFlowEntryDeploymentDeleteFailed

Alarm	Attributes	Applicable major NE releases
Name: OFFlowEntryDeploymentDeleteFailed (5406) Type: processingErrorAlarm (81) Package: openflow Raised on class: openflow.OFAbstractFlowEntry	Severity: major Implicitly cleared: true Default probable cause: OFFlowEntryDeploymentDeleteFailed (2114)	<ul style="list-style-type: none"> 12.0
Description: The notification alarm is raised when the flow entry deployment create has failed.		
Raising condition: (('Deployment Status' EQUAL 'Deletion Failed'))		
Clearing condition: (('Deployment Status' NOT EQUAL 'Deletion Failed'))		
Remedial action: This alarm is raised when the OpenFlow switch rejects deletion of the flow.		

Table 11-232 OFLogicalPortStatusMplsTpNotSet

Alarm	Attributes	Applicable major NE releases
Name: OFLogicalPortStatusMplsTpNotSet (5407) Type: equipmentAlarm (3) Package: openflow Raised on class: openflow.OFSwitch	Severity: major Implicitly cleared: true Default probable cause: OFLogicalPortStatusMplsTpNotSet (2115)	<ul style="list-style-type: none"> 12.0
Description: The alarm is raised when the MPLS-TP flag is not set in the Logical Port Status.		
Raising condition: (('Logical Port Status' EQUAL '0L') OR ('Logical Port Status' EQUAL 'rsvp-te'))		
Clearing condition: (('Logical Port Status' NOT EQUAL '0L') AND ('Logical Port Status' NOT EQUAL 'rsvp-te'))		
Remedial action: When MPLS-TP is not set, OpenFlow port status will not be received by SAM.		

Table 11-233 OFLogicalPortStatusRsvpTeNotSet

Alarm	Attributes	Applicable major NE releases
Name: OFLogicalPortStatusRsvpTeNotSet (5408) Type: equipmentAlarm (3) Package: openflow Raised on class: openflow.OFSwitch	Severity: major Implicitly cleared: true Default probable cause: OFLogicalPortStatusRsvpTeNotSet (2116)	<ul style="list-style-type: none"> 12.0
Description: The alarm is raised when the RSVP-TE flag is not set in the Logical Port Status.		
Raising condition: (('Logical Port Status' EQUAL '0L') OR ('Logical Port Status' EQUAL 'mpls-tp'))		
Clearing condition: (('Logical Port Status' NOT EQUAL '0L') AND ('Logical Port Status' NOT EQUAL 'mpls-tp'))		
Remedial action: When RSVP-TE is not set, OpenFlow port status will not be received by SAM.		

Table 11-234 OFSwitchDown

Alarm	Attributes	Applicable major NE releases
Name: OFSwitchDown (5409) Type: equipmentAlarm (3) Package: openflow Raised on class: openflow.OFSwitch	Severity: major Implicitly cleared: true Default probable cause: OFSwitchDown (2117)	<ul style="list-style-type: none"> 12.0
Description: The alarm is raised when the Operational State of an OFSwitch is Down and the Administrative State is Up.		
Raising condition: (('Operational State' NOT EQUAL 'Up') AND ('Administrative State' EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: This alarm is raised when the OpenFlow switch has gone down.		

Table 11-235 OrphanNodeDetected

Alarm	Attributes	Applicable major NE releases
Name: OrphanNodeDetected (4866) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.AdvertisedNode	Severity: major Implicitly cleared: true Default probable cause: nodeNotManagedByAnyEms (1934)	<ul style="list-style-type: none"> 10.0 11.0 12.0 9.0
Description: The alarm is raised when node is node managed by any EMS after n retries(threshold crossed) it is manually cleared by the operator or when the node is discovered.		
Raising condition: ('state' EQUAL 'orphan')		
Remedial action: The NE is not managed by any SAM.Add an discory rule in order to managed it.		

Table 11-236 OspflInterfaceDown

Alarm	Attributes	Applicable major NE releases
Name: OspflInterfaceDown (141) Type: OspflInterfaceDown (24) Package: ospf Raised on class: ospf.Interface	Severity: warning Implicitly cleared: true Default probable cause: OspflInterfaceDown (112)	<ul style="list-style-type: none"> 10.0 11.0 12.0 9.0
Description: The alarm is raised when an OSPF interface is operationally down.		
Raising condition: ('operationalState' EQUAL 'Down')		
Clearing condition: ('operationalState' NOT EQUAL 'Down')		
Remedial action: This alarm is raised when the OSPF interface is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 11-237 OverTemperatureDetected

Alarm	Attributes	Applicable major NE releases
Name: OverTemperatureDetected (388) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the chassis temperature exceeds the maximum threshold value.		
Raising condition: ('Over Temperature State' EQUAL 'Over')		
Clearing condition: ('Over Temperature State' NOT EQUAL 'Over')		
Remedial action: The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 11-238 P2MPLSPDown

Alarm	Attributes	Applicable major NE releases
Name: P2MPLSPDown (4378) Type: pathAlarm (12) Package: mpls Raised on class: mpls.P2MPDynamicLsp	Severity: critical Implicitly cleared: true Default probable cause: P2MPLSPDown (1563)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the P2MP LSP Administrative State is Up and the Operational State is Down. The alarm clears when the P2MP LSP Operational State changes to Up or the Administrative State changes to Down.		
Raising condition: (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up'))		
Clearing condition: (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up'))		
Remedial action: The operational state of the P2MP LSP is down, despite the administrative state being up. Review the P2MP Primary Instance or S2LPath to make sure it was configured correctly and Administrative state is up. The physical port near end or far end may have failed - this can be remedied by replacing the interface card in question. The physical links may have been turned down administratively - re-enable the links. A cable failure or disconnect may have occurred - please ensure that the cables are properly connected to the physical port and and that the cable has not been damaged.		

Table 11-239 PartialResyncProblem

Alarm	Attributes	Applicable major NE releases
Name: PartialResyncProblem (4401) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: partialResyncProblem (1578)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an Partial Resync on an NE fails. For example, when resyncing only some MIB entries as opposed to a full resync. The periodic reachability test (sysUpTime) is not considered a partial resync, neither is a full resync. However, a PartialResyncProblem alarm can only be reset by a FullResync.		

(1 of 2)

11 – Alcatel-Lucent 7450 ESS alarms

Alarm	Attributes	Applicable major NE releases
Raising condition: ('partialResyncStatus' EQUAL 'Partial Resync Failed')		
Clearing condition: ('partialResyncStatus' EQUAL 'Partial Resync Done')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE.		

(2 of 2)

Table 11-240 PeerConnectionDown (bgp)

Alarm	Attributes	Applicable major NE releases
Name: PeerConnectionDown (2) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.Peer	Severity: critical Implicitly cleared: true Default probable cause: connectionDown (2)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a BGP peer has a Connection State other than Established, and the Administrative State of the BGP peer is Up.		
Raising condition: (('Connection State' NOT EQUAL 'Established') AND ('Administrative State' EQUAL 'Up'))		
Clearing condition: (('Connection State' EQUAL 'Established') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: A mismatch in configuration may have occurred. Check the configuration of both peers to rule out a mismatched configuration.		

Table 11-241 PeerConnectionDown (msdp)

Alarm	Attributes	Applicable major NE releases
Name: PeerConnectionDown (2) Type: ProtocolAlarm (1) Package: msdp Raised on class: msdp.CommonPeer	Severity: critical Implicitly cleared: true Default probable cause: connectionDown (2)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the connectionState of this peer changes from Established to a state other than Established. The alarm clears when the connectionState of this peer returns to the Established state.		
Raising condition: (('connectionState' NOT EQUAL 'Established') AND ('administrativeState' EQUAL 'Up'))		
Clearing condition: (('connectionState' EQUAL 'Established') OR ('administrativeState' NOT EQUAL 'Up'))		
Remedial action: Check the configurations of the peer routers.		

Table 11-242 PeerDown (bgp)

Alarm	Attributes	Applicable major NE releases
Name: PeerDown (1) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.Peer	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a BGP peer has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: The BGP peer entity is down - administratively disable the BGP peer and re-enable it. If toggling the administrative state does not solve the problem check that the physical interface and network connection to the far end peer are up and operational. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 11-243 PeerDown (msdp)

Alarm	Attributes	Applicable major NE releases
Name: PeerDown (1) Type: ProtocolAlarm (1) Package: msdp Raised on class: msdp.CommonPeer	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the Administrative State of a peer changes from Up to Down. The alarm clears when the Administrative State returns to Up.		
Raising condition: (('administrativeState' EQUAL 'Down'))		
Clearing condition: (('administrativeState' NOT EQUAL 'Down'))		
Remedial action: Turn up the Peer.		

Table 11-244 PeerGroupDown (bgp)

Alarm	Attributes	Applicable major NE releases
Name: PeerGroupDown (5) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.PeerGroup	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a BGP peer group has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: The BGP peer group is down - administratively disable the BGP peer group and re-enable it. If the problem persists please contact Alcatel-Lucent support for assistance.		

11 – Alcatel-Lucent 7450 ESS alarms

Table 11-245 PeerGroupDown (msdp)

Alarm	Attributes	Applicable major NE releases
Name: PeerGroupDown (5) Type: ProtocolAlarm (1) Package: msdp Raised on class: msdp.PeerGroup	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the Administrative State of a peer group changes from Up to Down. The alarm clears when the Administrative State returns to Up.		
Raising condition: (('Administrative State' EQUAL 'Down'))		
Clearing condition: (('Administrative State' NOT EQUAL 'Down'))		
Remedial action: Turn up the Group.		

Table 11-246 PeerLacIngressEgressFault

Alarm	Attributes	Applicable major NE releases
Name: PeerLacIngressEgressFault (2929) Type: PeerLacAlarm (98) Package: svt Raised on class: svt.SpokeSdpBinding	Severity: minor Implicitly cleared: true Default probable cause: peerPWStatusBitsChanged (1123)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the Peer Status is Peer LAC Rx Fault and Peer LAC Tx Fault		
Raising condition: (('Peer State Cause'anyBit'Peer LAC Tx Fault') AND ('Peer State Cause'anyBit'Peer LAC Rx Fault'))		
Clearing condition: NOT (((('Peer State Cause'anyBit'Peer LAC Tx Fault') AND ('Peer State Cause'anyBit'Peer LAC Rx Fault'))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 11-247 PersistentIndexParametersMisconfigured

Alarm	Attributes	Applicable major NE releases
Name: PersistentIndexParametersMisconfigured (173) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: persistentIndexConfigurationMismatch (136)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when persistence is set to Off in the NE BOF.		
Raising condition: (('Persistent SNMP Indices' EQUAL 'False') OR (('hasRedundantProcessorCards' EQUAL 'true') AND ('Redundant Synchronization Mode' EQUAL 'None')))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: (('Persistent SNMP Indices' EQUAL 'True') AND (('hasRedundantProcessorCards' EQUAL 'false') OR ('Redundant Synchronization Mode' NOT EQUAL 'None')))		
Remedial action: A configuration error has occurred that must be corrected. Use the CLI on the NE to enable persistency in the BOF. The discovery process will complete on the next discovery scan. A re-scan can be triggered immediately for the NE from within the discovery manager		

(2 of 2)

Table 11-248 PimDown

Alarm	Attributes	Applicable major NE releases
Name: PimDown (184) Type: ProtocolAlarm (1) Package: pim Raised on class: pim.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a PIM site is administratively Up but operationally Down. The alarm is cleared when the PIM site becomes operationally Up but administratively Down.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: This should never happen. Contact Alcatel-Lucent Customer Support for assistance.		

Table 11-249 PollerProblem

Alarm	Attributes	Applicable major NE releases
Name: PollerProblem (31) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: resyncFailed (24)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
Raising condition: ('Resync Status' EQUAL 'Full Resync Failed')		
Clearing condition: ('Resync Status' EQUAL 'Full Resync Done')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 11-250 PoolDepleted

Alarm	Attributes	Applicable major NE releases
Name: PoolDepleted (3950) Type: configurationAlarm (11) Package: dhcp Raised on class: dhcp.AddressPool	Severity: major Implicitly cleared: false Default probable cause: actualFreeAddrDepleted (1529)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: This alarm is generated when the actual number of free addresses in the DHCP Server Address pool becomes zero.		
Remedial action: This alarm is generated when the actual number of free addresses in a pool becomes zero. Please increase the pool address range or create another address pool.		

Table 11-251 PowerSupplyFailure

Alarm	Attributes	Applicable major NE releases
Name: PowerSupplyFailure (633) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: critical Implicitly cleared: true Default probable cause: powerSupplyFailure (117)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a power-supply tray reports a failure. When the alarm is raised during device discovery, a power-supply tray may be out of service. When the alarm is raised while the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
Raising condition: (('Power Supply 1 Status' EQUAL 'Not Equipped') OR ('Power Supply 1 Status' EQUAL 'Failed'))		
Clearing condition: (('Power Supply 1 Status' EQUAL 'OK'))		
Remedial action: Ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 11-252 PowerSupplyInputFeedDown

Alarm	Attributes	Applicable major NE releases
Name: PowerSupplyInputFeedDown (5422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: minor Implicitly cleared: true Default probable cause: powerSupplyInputFeedDown (2073)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: This alarm is generated if any one of the input feeds for a given power supply is not supplying power.		
Raising condition: (('Input Feed Status' EQUAL 'Input A Down') OR ('Input Feed Status' EQUAL 'Input B Down') OR (('Input Feed Status'allBits'Input A Down') AND ('Input Feed Status'allBits'Input B Down'))		
Clearing condition: ('Input Feed Status' EQUAL 'None')		
Remedial action: Restore all of the input feeds that are not supplying power.		

Table 11-253 PowerSupplyRemoved

Alarm	Attributes	Applicable major NE releases
Name: PowerSupplyRemoved (542) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: major Implicitly cleared: true Default probable cause: PowerSupplyRemoved (415)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a chassis power supply is removed.		
Raising condition: ('Power Supply 1 Status' EQUAL 'Not Equipped')		
Clearing condition: ('Power Supply 1 Status' NOT EQUAL 'Not Equipped')		
Remedial action: To recover from this event, the customer is requested to add a new power supply to the system, or change a faulty power supply with a working one.		

Table 11-254 PppLoopbackDetected

Alarm	Attributes	Applicable major NE releases
Name: PppLoopbackDetected (362) Type: configurationAlarm (11) Package: ppp Raised on class: ppp.Interface	Severity: major Implicitly cleared: true Default probable cause: PppLoopbackDetected (259)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the value of tmnxPppLocalMagicNumber is the same as the value of tmnxPppRemoteMagicNumber, which indicates that the link may be looped back.		
Raising condition: (('Local Magic Number' EQUAL 'Remote Magic Number') AND ('Local Magic Number' NOT EQUAL '0L'))		
Clearing condition: (('Local Magic Number' NOT EQUAL 'Remote Magic Number') OR ('Local Magic Number' EQUAL '0L'))		
Remedial action: Informational.		

Table 11-255 PrimaryImageBootFailure

Alarm	Attributes	Applicable major NE releases
Name: PrimaryImageBootFailure (191) Type: configurationAlarm (11) Package: sw Raised on class: sw.CardSoftware	Severity: warning Implicitly cleared: true Default probable cause: bootOptionFileMisconfigured (150)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the primary software image specified in an NE BOF is unusable.		
Raising condition: (('imageSource' NOT EQUAL 'Primary') AND ('imageSource' NOT EQUAL 'Unknown'))		
Clearing condition: (('imageSource' EQUAL 'Primary') OR ('imageSource' EQUAL 'Unknown'))		
Remedial action: The SW image on the NE may have been inadvertently corrupted. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

Table 11-256 PrimaryPathLimitReached

Alarm	Attributes	Applicable major NE releases
Name: PrimaryPathLimitReached (457) Type: resourceAlarm (28) Package: equipment Raised on class: equipment.DaughterCard	Severity: warning Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the Ingress Multicast Path Management primary path bandwidth limit is reached.		
Raising condition: (('Primary Path Limit Override' > '0') AND ('Primary Path In use' >= (1000 * 'Primary Path Limit Override'))"		
Clearing condition: (('Primary Path Limit Override' > '0') AND ('Primary Path In use' < (1000 * 'Primary Path Limit Override'))"		
Remedial action: Informational - The alarm is raised when the Ingress Multicast Path Management primary path bandwidth limit is reached. This can be remedied by modifying the primary path limit located at T1 Paths tab of the multicast bandwidth policy which assigned to the card, or increase the primary path limit override located at the Daughter Card tab under Daughter Card Slot form.		

Table 11-257 PTPClockNoMasterAlarm

Alarm	Attributes	Applicable major NE releases
Name: PTPClockNoMasterAlarm (3604) Type: communicationsAlarm (4) Package: ptp Raised on class: ptp.IEEEPTPClock	Severity: major Implicitly cleared: true Default probable cause: PTPClockNoMaster (1393)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when Precision Timing Protocol (PTP) clock does not support PTP timing master.		
Remedial action: Informational- Please verify master clock configuration for timing.		

Table 11-258 PTPNotQualified

Alarm	Attributes	Applicable major NE releases
Name: PTPNotQualified (3611) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPNotQualified (1400)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when PTP on an NE is not in the Qualified state.		
Raising condition: (('Qualified For Use' EQUAL 'Not Qualified'))		
Clearing condition: (('Qualified For Use' NOT EQUAL 'Not Qualified'))		
Remedial action: Check the communication path is up between the local PTP slave clock and its selected master		

Table 11-259 PTPPeerLossOfAnnounce

Alarm	Attributes	Applicable major NE releases
Name: PTPPeerLossOfAnnounce (3608) Type: communicationsAlarm (4) Package: ptp Raised on class: ptp.IEEEPTPPeer	Severity: minor Implicitly cleared: true Default probable cause: PTPPeerLossOfAnnounce (1397)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the PTP peer is in the 'Packet Timing Signal Fail (Loss Announce)' state. This indicates that the PTP announce messages are not received from the remote master.		
Raising condition: (('Master GM Alarms'anyBit'Loss of Announce'))		
Clearing condition: NOT (((('Master GM Alarms'anyBit'Loss of Announce'))))		
Remedial action: Please check if Configured Peer IP address is reachable (ping <Peer Ip>) from the this SR node and PTP configuration is proper.		

Table 11-260 PTPPeerLossOfSync

Alarm	Attributes	Applicable major NE releases
Name: PTPPeerLossOfSync (3609) Type: communicationsAlarm (4) Package: ptp Raised on class: ptp.IEEEPTPPeer	Severity: minor Implicitly cleared: true Default probable cause: PTPPeerLossOfSync (1398)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the PTP peer is in the 'Packet Timing Signal Fail (Loss Sync)' state. This indicates that the PTP timing messages are not received from the remote master.		
Raising condition: (('Master GM Alarms'anyBit'Loss of Sync'))		
Clearing condition: NOT (((('Master GM Alarms'anyBit'Loss of Sync'))))		
Remedial action: Please check if Configured Peer IP address is reachable (ping <Peer Ip>) from the this SR node and PTP configuration is proper.		

Table 11-261 PTPReferenceLossOfSignal

Alarm	Attributes	Applicable major NE releases
Name: PTPReferenceLossOfSignal (3613) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPReferenceLossOfSignal (1402)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the PTP reference on an NE is not qualified due to Loss of Signal.		
Raising condition: (('Not Qualified Due To'anyBit'LOS'))		
Clearing condition: NOT (((('Not Qualified Due To'anyBit'LOS'))))		
Remedial action: Check the communication path is up between the local PTP slave clock and its selected master		

Table 11-262 PTPReferenceOutOfFrequency

Alarm	Attributes	Applicable major NE releases
Name: PTPReferenceOutOfFrequency (3614) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPReferenceOutOfFrequency (1403)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the PTP Reference on an NE is not qualified due to Out of frequency.		
Raising condition: (('Not Qualified Due To'anyBit'OOFF'))		
Clearing condition: NOT (('Not Qualified Due To'anyBit'OOFF'))		
Remedial action: Make sure that fequency configured for Reference One is correct.		

Table 11-263 PTPReferenceOutOfPollInRange

Alarm	Attributes	Applicable major NE releases
Name: PTPReferenceOutOfPollInRange (3615) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPReferenceOutOfPollInRange (1404)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the PTP Reference on an NE is not qualified state due to Out of poll in range.		
Raising condition: (('Not Qualified Due To'anyBit'OOPIR'))		
Clearing condition: NOT (('Not Qualified Due To'anyBit'OOPIR'))		
Remedial action: If there is packet flow, the PTP slave clock is in it's initial acquiring states where the sync-if-timing reference does not qualify just wait.		

Table 11-264 RadiusOperStatusDown

Alarm	Attributes	Applicable major NE releases
Name: RadiusOperStatusDown (3692) Type: radiusOperStatusDownAlarm (105) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: radiusOperationStatusDown (1431)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when all RADIUS servers have gone down.		
Raising condition: ('Global RADIUS Operational State' EQUAL 'Down')		
Clearing condition: ('Global RADIUS Operational State' EQUAL 'Up')		
Remedial action: Verify the RADIUS server is properly configured and radius server state is up.Check the connectivity between SAM server and radius server configured on the Network element.		

Table 11-265 ReachabilityProblem

Alarm	Attributes	Applicable major NE releases
Name: ReachabilityProblem (243) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ReachabilityTestFailed (176)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an Mediation poll of the SysUpTimeAlarm object on an NE fails, for example, because of network congestion or because the NE is too busy to respond. The probable cause is an unreachable NE Mediation agent on the NE. By default, the 5620 SAM polls a managed NE every two minutes. If a poll fails, the alarm is raised. The 5620 SAM polls the NE two minutes after the first failure. If successive polls fail, the 5620 SAM raises the polling interval for the NE by two minutes after each failure to a maximum of 12 min. The polling interval remains at 12 min until the 5620 SAM receives a response from the NE. The alarm clears when the 5620 SAM receives a response from the NE, and the 5620 SAM GUI icon that represents the NE turns from red to green.		
Raising condition: ('SNMP Reachability' EQUAL 'Down')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 11-266 ReconfigFailure

Alarm	Attributes	Applicable major NE releases
Name: ReconfigFailure (1949) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: failedReconfig (937)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: This alarm is raised when the reconfig action failed.		
Raising condition: ('State' EQUAL 'Failed')		
Clearing condition: ('State' NOT EQUAL 'Failed')		
Remedial action: Verify that the object is configured as expected.		

Table 11-267 RedundantMepMisconfiguration

Alarm	Attributes	Applicable major NE releases
Name: RedundantMepMisconfiguration (3631) Type: oamAlarm (18) Package: ethernetOam Raised on class: ethernetOam.Mep	Severity: minor Implicitly cleared: true Default probable cause: misconfiguredRedundantMep (1416)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an Active and Redundant MEP do not have the same Id, Operational MAC Address or Sub Group configured.		
Raising condition: ('validRedundantMepConfig' EQUAL 'false')		

(1 of 2)

11 – Alcatel-Lucent 7450 ESS alarms

Alarm	Attributes	Applicable major NE releases
Clearing condition: ('validRedundantMepConfig' EQUAL 'true')		
Remedial action: MC-LAG redundant MEP configuration (MEP ID or Mac Address) for Active & Standby Interfaces do not match, this could cause issues with CFM or CCM tests if Active interface changes. Delete and Re-create Standby MEP to match Active.		

(2 of 2)

Table 11-268 RedundantMepMissing

Alarm	Attributes	Applicable major NE releases
Name: RedundantMepMissing (3632) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: minor Implicitly cleared: true Default probable cause: missingRedundantMep (1417)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a MEP misses a redundant counterpart on LAG or SAP.		
Raising condition: (('MC-LAG Inactive' NOT EQUAL 'Not Applicable') AND ('Redundant MEP' EQUAL '\'))		
Clearing condition: (('MC-LAG Inactive' EQUAL 'Not Applicable') OR (('MC-LAG Inactive' NOT EQUAL 'Not Applicable') AND ('Redundant MEP' NOT EQUAL '\')))		
Remedial action: MC-LAG redundant MEP is missing Active & Standby Interfaces, this will cause issues with CFM or CCM tests if Active interface changes. Create missing Active/Standby MEP to match existing.		

Table 11-269 RemoteMepCCMAAlarm

Alarm	Attributes	Applicable major NE releases
Name: RemoteMepCCMAAlarm (502) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: major Implicitly cleared: true Default probable cause: missingRemoteMep (388)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a MEP loses connectivity with one or more remote MEPs. The Remote MEP DB State tab on a MEP lists the missing remote MEPs.		
Raising condition: ('High-Priority Defect' NOT EQUAL '0')		
Clearing condition: ('High-Priority Defect' EQUAL '0')		
Remedial action: MEP has lost communication with Remote MEP defined in Maintenance Association (MEG) Remote MEP list, Either Remote MEP list is incorrect or diagnose connection fault and resolve.		

Table 11-270 RemoteRncvOperDown

Alarm	Attributes	Applicable major NE releases
Name: RemoteRncvOperDown (522) Type: redundancyAlarm (52) Package: multichassis Raised on class: multichassis.MultiChassisRingNode	Severity: major Implicitly cleared: true Default probable cause: remoteRncvDisconnected (397)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the remote RNCV Operational State of a ring node is other than Connected or NotTested, which means that the ring node is not connected to the local MC ring group. The alarm clears when the ring node enters the Connected or NotTested state.		
Raising condition: (('Remote Operational State' NOT EQUAL 'Connected') AND ('Remote Operational State' NOT EQUAL 'Not Tested'))		
Clearing condition: (('Remote Operational State' EQUAL 'Connected') OR ('Remote Operational State' EQUAL 'Not Tested'))		
Remedial action: Make sure that ring node is properly connected to MC ring group.		

Table 11-271 RipDown

Alarm	Attributes	Applicable major NE releases
Name: RipDown (72) Type: ProtocolAlarm (1) Package: rip Raised on class: rip.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a RIP site has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: The RIP Site is down while it is administratively up. Please check the node e.g. IOM is not shutdown or installed.		

Table 11-272 RouteDistinguisherNotConfigured

Alarm	Attributes	Applicable major NE releases
Name: RouteDistinguisherNotConfigured (142) Type: configurationAlarm (11) Package: l3fwd Raised on class: l3fwd.ServiceSite	Severity: major Implicitly cleared: true Default probable cause: routeDistinguisherNotConfigured (113)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when no RD is configured for an L3 service site.		
Raising condition: ('routeDistinguisher' EQUAL '\00 00 00 00 00 00 00 00')		
Clearing condition: ('routeDistinguisher' NOT EQUAL '\00 00 00 00 00 00 00 00')		
Remedial action: A configuration error has occurred which must be corrected. The RD must be configured on the L3 Service Site in question.		

Table 11-273 RsvpDown

Alarm	Attributes	Applicable major NE releases
Name: RsvpDown (74) Type: ProtocolAlarm (1) Package: rsvp Raised on class: rsvp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an RSVP site has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: The RSVP Site is down while it is administratively up. Please check MPLS is enabled and administratively up.		

Table 11-274 RxSectionSynchronizationError

Alarm	Attributes	Applicable major NE releases
Name: RxSectionSynchronizationError (93) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: rxSectionSynchronizationError (79)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a SONET port reports a section synchronization failure. A section synchronization failure occurs when the S1 byte is inconsistent for eight consecutive frames.		
Raising condition: (('Outstanding Alarms'anyBit'RX Section Synchronization Error') AND ('Report Alarms'anyBit'RX Section Synchronization Error'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'RX Section Synchronization Error') AND ('Report Alarms'anyBit'RX Section Synchronization Error'))		
Remedial action: Check the link status between SONET Port and the source.		

Table 11-275 S2LPathBypassTunnelActive

Alarm	Attributes	Applicable major NE releases
Name: S2LPathBypassTunnelActive (777) Type: pathAlarm (12) Package: mpls Raised on class: mpls.S2LPath	Severity: warning Implicitly cleared: true Default probable cause: S2LPathReroutedToBypassTunnel (552)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the bypass tunnel in an S2L path becomes active. The alarm clears when the bypass tunnel is no longer active, for example, because a primary tunnel failure is resolved or a new path is established.		
Raising condition: ('Bypass Tunnel Active' EQUAL 'true')		
Clearing condition: ('Bypass Tunnel Active' EQUAL 'false')		
Remedial action: Check what caused primary tunnel is down and fix it if possible.		

Table 11-276 S2LPathDown

Alarm	Attributes	Applicable major NE releases
Name: S2LPathDown (778) Type: pathAlarm (12) Package: mpls Raised on class: mpls.S2LPath	Severity: major Implicitly cleared: true Default probable cause: S2LPathDown (553)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the S2L path Administrative State is Up and the Operational State is not Up. The alarm clears when the S2L path Operational State changes to Up or the Administrative State changes to Down.		
Raising condition: (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up'))		
Clearing condition: (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up'))		
Remedial action: Check the failure code and update accordingly, e.g. whether MPLS/RSVP interfaces, OSPF interfaces are down.		

Table 11-277 SapDDosDynamicExceeded

Alarm	Attributes	Applicable major NE releases
Name: SapDDosDynamicExceeded (4890) Type: securityServiceOrMechanismViolation (92) Package: service Raised on class: service.AccessInterface	Severity: warning Implicitly cleared: true Default probable cause: ExceedingPolicingParameters (1950)	<ul style="list-style-type: none"> • 11.0 • 12.0
Description: The alarm is raised when the protocol on a particular SAP has been detected as non-conformant to the associated distributed CPU protection policy parameters (on receiving sapDcpDynamicExcd trap) and the alarm status is set as non-conformant. When the SAP starts hold-down period for an exceeding protocol (on receiving sapDcpDynamicHoldDownStart trap), the alarm status will change into non-conformant(Hold Down Start). When the SAP completes hold-down period for an exceeding protocol (on receiving sapDcpDynamicHoldDownEnd trap), the alarm status will be changed into non-conformant(Hold Down End). When the protocol for the SAP has been detected as conformant for a period of the configured detection-time after having been previously detected as exceeding and completed any hold-down period (on receiving sapDcpDynamicConform trap), the alarm will be cleared.		
Remedial action: Appropriate configuration changes to the distributed CPU protection policy or to the affected SAP may be required.		

Table 11-278 SapDDosLocMonitorExceeded

Alarm	Attributes	Applicable major NE releases
Name: SapDDosLocMonitorExceeded (4891) Type: securityServiceOrMechanismViolation (92) Package: service Raised on class: service.AccessInterface	Severity: warning Implicitly cleared: true Default probable cause: ExceedingPolicingParameters (1950)	<ul style="list-style-type: none"> • 11.0 • 12.0

(1 of 2)

11 – Alcatel-Lucent 7450 ESS alarms

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when the local-monitoring-policer for a particular SAP has transitioned from a conformant state to a non-conformant state and the system will attempt to allocate dynamic enforcement policers (on receiving sapDcpLocMonExcd trap), and the alarm status is set as non-conformant. When all dynamic enforcement policers associated with a non-conformant local-monitoring-policer have been successfully allocated for the SAP (on receiving sapDcpLocMonExcdAllDynAlloc trap), the alarm status will be changed into non-conformant(Located All). When the local-monitoring-policer for a particular SAP has transitioned from a conformant state to a non-conformant state and the system cannot allocate all the dynamic enforcement policers associated with the distributed CPU protection policy (on receiving sapDcpLocMonExcdDynResource trap), the alarm status will be changed into non-conformant(Cannot Allocate All). When all the previously allocated dynamic enforcement policers for a particular local-monitoring-policer on the associated distributed CPU protection policy have been freed up and all the protocols are once again being monitored by local-monitor (on receiving sapDcpLocMonExcdAllDynFreed trap), the alarm will be cleared.		
Remedial action: Appropriate configuration changes to the distributed CPU protection policy or to the affected SAP may be required.		

(2 of 2)

Table 11-279 SapDDosStaticExceeded

Alarm	Attributes	Applicable major NE releases
Name: SapDDosStaticExceeded (4892) Type: securityServiceOrMechanismViolation (92) Package: service Raised on class: service.AccessInterface	Severity: warning Implicitly cleared: true Default probable cause: ExceedingPolicingParameters (1950)	<ul style="list-style-type: none"> • 11.0 • 12.0
Description: The alarm is raised when the static-policer on a particular SAP has been detected as non-conformant to the associated distributed CPU protection policy parameters (on receiving sapDcpStaticExcd trap) and the alarm status is set as non-conformant. When the SAP starts hold-down period for the exceeding static-policer (on receiving sapDcpStaticHoldDownStart trap), the alarm status will change into non-conformant(Hold Down Start). When the SAP ends hold-down period for the exceeding static-policer (on receiving sapDcpStaticHoldDownEnd trap), the alarm status will be changed into non-conformant(Hold Down End). When the static-policer for the SAP has been detected as conformant for a period of the configured detection-time after having been previously detected as exceeding and completed any hold-down period (on receiving sapDcpStaticConform trap), the alarm will be cleared.		
Remedial action: Appropriate configuration changes to the distributed CPU protection policy or to the affected SAP may be required.		

Table 11-280 SaveConfigFailed

Alarm	Attributes	Applicable major NE releases
Name: SaveConfigFailed (105) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileAccessError (90)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the admin save command on an NE fails.		
Raising condition: ('Config Save State' EQUAL 'Failure')		
Clearing condition: ('Config Save State' EQUAL 'Success')		
Remedial action: Attempt the admin save command a second time. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 11-281 ScheduledPollerProblem

Alarm	Attributes	Applicable major NE releases
Name: ScheduledPollerProblem (4386) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: scheduledResyncFailed (1569)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
Raising condition: ('Scheduled Resync Status' EQUAL 'Scheduled Resync Failed')		
Clearing condition: ('Scheduled Resync Status' EQUAL 'Scheduled Resync Done')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 11-282 SdpBindingDown

Alarm	Attributes	Applicable major NE releases
Name: SdpBindingDown (221) Type: SdpBindingAlarm (30) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: SdpBindingNotReady (166)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an SDP binding has an Operational State other than Up.		
Raising condition: (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'Standby For BGP Multi-Homing'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'Standby For BGP Multi-Homing'))		
Remedial action: To resolve this alarm check the SDP binding to determine if a configuration mismatch exists. If configuration is determined to be correct then the associated network interface may be down. Further investigation is required to determine why the underlying network interface is down.		

Table 11-283 SdpBindingTunnelDown

Alarm	Attributes	Applicable major NE releases
Name: SdpBindingTunnelDown (222) Type: CircuitAlarm (17) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: SdpTunnelNotReady (167)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an SDP binding tunnel has an Operational State other than Up.		
Raising condition: (('Operational State' EQUAL 'Tunnel Not Ready') OR ('Operational State' EQUAL 'Tunnel Down'))		
Clearing condition: (('Operational State' NOT EQUAL 'Tunnel Not Ready') AND ('Operational State' NOT EQUAL 'Tunnel Down'))		

(1 of 2)

11 – Alcatel-Lucent 7450 ESS alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: To resolve this alarm check the endpoints of the SDP binding to determine if a configuration mismatch exists. If configuration matches then the underlying network resource between the endpoints of the SDP may be down. Further investigation is required to determine why the underlying transport network is down.		

(2 of 2)

Table 11-284 SdpEgressIfsNetDomainInConsistent

Alarm	Attributes	Applicable major NE releases
Name: SdpEgressIfsNetDomainInConsistent (3616) Type: resourceAlarm (28) Package: svt Raised on class: svt.Tunnel	Severity: warning Implicitly cleared: true Default probable cause: sdpEgressIfsNetDomainInConsistent (1405)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the SDP egress interface's consistency state changes to inconsistent.		
Raising condition: ('Egress Interfaces Consistency State' EQUAL '3')		
Clearing condition: ('Egress Interfaces Consistency State' EQUAL '2')		
Remedial action: To resolve this alarm check egress interfaces of the SDP configuration. If configuration is determined to be correct check underlying physical transport. Further investigation is required.		

Table 11-285 SecondaryPathLimitReached

Alarm	Attributes	Applicable major NE releases
Name: SecondaryPathLimitReached (458) Type: resourceAlarm (28) Package: equipment Raised on class: equipment.DaughterCard	Severity: warning Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the Ingress Multicast Path Management secondary path bandwidth limit is reached.		
Raising condition: (('Secondary Path Limit Override' > '0') AND ('Secondary Path In use' >= (1000 * 'Secondary Path Limit Override'))"		
Clearing condition: (('Secondary Path Limit Override' > '0') AND ('Secondary Path In use' < (1000 * 'Secondary Path Limit Override'))"		
Remedial action: Informational - The alarm is raised when the Ingress Multicast Path Management secondary path bandwidth limit is reached. This can be remedied by modifying the secondary path limit located at T1 Paths tab of the multicast bandwidth policy which assigned to the card, or increase the secondary path limit override located at the Daughter Card tab under Daughter Card Slot form.		

Table 11-286 SectionB1Error

Alarm	Attributes	Applicable major NE releases
Name: SectionB1Error (87) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: sectionB1Error (73)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a SONET port reports a section error condition that a remote NE raises because of b1 errors received from the local NE. The alarm corresponds to the lrei alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'Section B1 Error') AND ('Report Alarms'anyBit'Section B1 Error'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Section B1 Error') AND ('Report Alarms'anyBit'Section B1 Error'))		
Remedial action: Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 11-287 SectionLossOfFrame

Alarm	Attributes	Applicable major NE releases
Name: SectionLossOfFrame (90) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: sectionLossOfFrame (76)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a SONET port reports a SLOF error. The alarm corresponds to the slof alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'Section Loss of Frame') AND ('Report Alarms'anyBit'Section Loss of Frame'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Section Loss of Frame') AND ('Report Alarms'anyBit'Section Loss of Frame'))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected.		

Table 11-288 SectionLossOfSignal

Alarm	Attributes	Applicable major NE releases
Name: SectionLossOfSignal (91) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: sectionLossOfSignal (77)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a SONET port reports a SLOS error. The alarm corresponds to the slos alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'Section Loss of Signal') AND ('Report Alarms'anyBit'Section Loss of Signal'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Section Loss of Signal') AND ('Report Alarms'anyBit'Section Loss of Signal'))		

(1 of 2)

11 – Alcatel-Lucent 7450 ESS alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected.		

(2 of 2)

Table 11-289 SectionS1Failure

Alarm	Attributes	Applicable major NE releases
Name: SectionS1Failure (86) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: sectionS1Failure (72)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a SONET port reports a section synchronization failure. A section synchronization failure occurs when the S1 byte is inconsistent for eight consecutive frames.		
Raising condition: (('Outstanding Alarms'anyBit'Section S1 Failure') AND ('Report Alarms'anyBit'Section S1 Failure'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'Section S1 Failure') AND ('Report Alarms'anyBit'Section S1 Failure'))		
Remedial action: Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 11-290 ServiceSiteDown

Alarm	Attributes	Applicable major NE releases
Name: ServiceSiteDown (97) Type: serviceAlarm (16) Package: service Raised on class: service.Site	Severity: critical Implicitly cleared: true Default probable cause: siteDown (83)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when all SAPs on a site are operationally down, or when the service tunnels for the site are operationally down.		
Raising condition: (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'All Spoke SDP Bindings are Standby'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'All Spoke SDP Bindings are Standby'))		
Remedial action: The network resources (i.e. physical ports for SAPs, or physical ports/LSP) associated with the service site should be examined to determine if/why they are operationally down. The underlying transport network supporting the site may also be unreliable.		

Table 11-291 SessionDown

Alarm	Attributes	Applicable major NE releases
Name: SessionDown (73) Type: ProtocolAlarm (1) Package: rsvp Raised on class: rsvp.Session	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an RSVP session is operationally down.		
Raising condition: ('Operational State' EQUAL 'Down')		
Clearing condition: ('Operational State' EQUAL 'Up')		
Remedial action: Please check the RSVP session path to make sure all associated protocols/interfaces/connections are OK.		

Table 11-292 ShamLinkDown

Alarm	Attributes	Applicable major NE releases
Name: ShamLinkDown (665) Type: ShamLinkAlarm (57) Package: ospf Raised on class: ospf.ShamLink	Severity: critical Implicitly cleared: true Default probable cause: ShamLinkDown (492)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a sham link is operationally down.		
Raising condition: ('Operational State' EQUAL 'Down')		
Clearing condition: ('Operational State' NOT EQUAL 'Down')		
Remedial action: This alarm is raised when the OSPF sham link is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 11-293 SingleSFMOverloadDetected

Alarm	Attributes	Applicable major NE releases
Name: SingleSFMOverloadDetected (843) Type: ProtocolAlarm (1) Package: l3fwd Raised on class: l3fwd.Site	Severity: major Implicitly cleared: true Default probable cause: signleSfmOverloadDetected (601)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a device reports a single-SFM overload. The alarm clears when the VR exits the Overload state.		
Raising condition: ('Overload State' EQUAL 'Overload')		
Clearing condition: ('Overload State' EQUAL 'Normal')		
Remedial action: Information - if the the problem persists please contact Alcatel-Lucent support for assistance.		

Table 11-294 SonetPathAlarmIndicationSignal

Alarm	Attributes	Applicable major NE releases
Name: SonetPathAlarmIndicationSignal (129) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathAlarmIndicationSignal (63)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a SONET port reports a PAIS error. The alarm corresponds to the pais alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'Path Alarm Indication Signal') AND ('Report Alarms'anyBit'Path Alarm Indication Signal'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Path Alarm Indication Signal') AND ('Report Alarms'anyBit'Path Alarm Indication Signal'))))		
Remedial action: Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 11-295 SonetPathB3Error

Alarm	Attributes	Applicable major NE releases
Name: SonetPathB3Error (132) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathB3Error (66)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a SONET port reports a path error condition because of b3 errors. The alarm corresponds to the prei alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'Path B3 error') AND ('Report Alarms'anyBit'Path B3 error'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Path B3 error') AND ('Report Alarms'anyBit'Path B3 error'))))		
Remedial action: Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 11-296 SonetPathLossOfCodegroupDelineationError

Alarm	Attributes	Applicable major NE releases
Name: SonetPathLossOfCodegroupDelineationError (248) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathLossOfCodegroupDelineationError (185)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a SONET port reports a PLCD error. The alarm corresponds to the plcd alarm on an NE.		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Raising condition: (('Outstanding Alarms'anyBit'Path Loss of Codegroup Delineation Error') AND ('Report Alarms'anyBit'Path Loss of Codegroup Delineation Error'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Path Loss of Codegroup Delineation Error') AND ('Report Alarms'anyBit'Path Loss of Codegroup Delineation Error'))))		
Remedial action: Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

(2 of 2)

Table 11-297 SonetPathLossOfPointer

Alarm	Attributes	Applicable major NE releases
Name: SonetPathLossOfPointer (130) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathLossOfPointer (64)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a SONET port reports a PLOP error. The alarm corresponds to the plop alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'Path Loss of Pointer') AND ('Report Alarms'anyBit'Path Loss of Pointer'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Path Loss of Pointer') AND ('Report Alarms'anyBit'Path Loss of Pointer'))))		
Remedial action: Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 11-298 SonetPathPayloadMismatch

Alarm	Attributes	Applicable major NE releases
Name: SonetPathPayloadMismatch (133) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathPayloadMismatch (67)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a SONET port reports a PPLM error on a channel, after which the channel is set operationally down. The alarm corresponds to the pplm alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'Path Payload Mismatch') AND ('Report Alarms'anyBit'Path Payload Mismatch'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Path Payload Mismatch') AND ('Report Alarms'anyBit'Path Payload Mismatch'))))		
Remedial action: Informational only.		

Table 11-299 SonetPathRemoteB3Error

Alarm	Attributes	Applicable major NE releases
Name: SonetPathRemoteB3Error (134) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathRemoteB3Error (68)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a SONET port reports a path error condition that a remote NE raises because of b3 errors received from the local NE. The alarm corresponds to the prei alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'Path Remote B3 Error') AND ('Report Alarms'anyBit'Path Remote B3 Error'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Path Remote B3 Error') AND ('Report Alarms'anyBit'Path Remote B3 Error'))		
Remedial action: Check the remote NE is configured correctly and its physical layer cabling is operating correctly.		

Table 11-300 SonetPathRemoteDefectIndication

Alarm	Attributes	Applicable major NE releases
Name: SonetPathRemoteDefectIndication (131) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathRemoteDefectIndication (65)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a SONET port reports a remote PAIS error. The alarm corresponds to the pais alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'Path Remote Defect Indication') AND ('Report Alarms'anyBit'Path Remote Defect Indication'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Path Remote Defect Indication') AND ('Report Alarms'anyBit'Path Remote Defect Indication'))		
Remedial action: Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 11-301 SonetPathUnequippedPathError

Alarm	Attributes	Applicable major NE releases
Name: SonetPathUnequippedPathError (143) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathUnequippedPathError (114)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a SONET port reports a path unequipped error. The alarm corresponds to the Path Alarm Unequipped Path Error alarm on an NE.		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Raising condition: (('Outstanding Alarms'anyBit'Path Alarm Unequipped Path Error') AND ('Report Alarms'anyBit'Path Alarm Unequipped Path Error'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Path Alarm Unequipped Path Error') AND ('Report Alarms'anyBit'Path Alarm Unequipped Path Error'))))		
Remedial action: Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

(2 of 2)

Table 11-302 SpbAdjacencyDown

Alarm	Attributes	Applicable major NE releases
Name: SpbAdjacencyDown (4392) Type: adjacencyAlarm (31) Package: spb Raised on class: spb.AbstractInterface	Severity: minor Implicitly cleared: true Default probable cause: IsisInterfaceDown (232)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0
Description: The alarm is raised when an SPB IS-IS interface has no adjacencies, for example, because the IS-IS protocol on the remote site is down.		
Raising condition: (('Adjacency Count' EQUAL '0L'))		
Clearing condition: (('Adjacency Count' > '0L'))		
Remedial action: Check remote site to see if corresponding IS-IS interface is configured and admin up.		

Table 11-303 SpbInterfaceDown

Alarm	Attributes	Applicable major NE releases
Name: SpbInterfaceDown (4393) Type: ProtocolAlarm (1) Package: spb Raised on class: spb.AbstractInterface	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0
Description: The alarm is raised when an SPB IS-IS interface has an Operational State other than Up.		
Raising condition: ('operationalState' EQUAL 'Down')		
Clearing condition: ('operationalState' NOT EQUAL 'Down')		
Remedial action: Check if underlying port is down, or associated network interface is down.		

Table 11-304 SpbSiteDown

Alarm	Attributes	Applicable major NE releases
Name: SpbSiteDown (4396) Type: ProtocolAlarm (1) Package: spb Raised on class: spb.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0
Description: The alarm is raised when an SPB site has an Operational State other than Up.		
Raising condition: ('Operational State' NOT EQUAL 'Up')		
Clearing condition: ('Operational State' EQUAL 'Up')		
Remedial action: Check if the administrative state is down. If the administrative state is up, then check the ISIS instance associated with the SPB and make sure it is up.		

Table 11-305 StatsRetrieveFailed

Alarm	Attributes	Applicable major NE releases
Name: StatsRetrieveFailed (244) Type: configurationAlarm (11) Package: sw Raised on class: sw.AccountingStatsRetrievalManager	Severity: major Implicitly cleared: false Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the 5620 SAM main or auxiliary server cannot transfer an accounting file from an NE.		
Raising condition: (('Stats Retrieval State' NOT EQUAL 'Success') AND ('Stats Retrieval State' NOT EQUAL 'Not Attempted'))		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy or otherwise cannot respond to the 5620 SAM main or auxiliary server.		

Table 11-306 StpExceptionCondition

Alarm	Attributes	Applicable major NE releases
Name: StpExceptionCondition (297) Type: AccessInterfaceAlarm (32) Package: l2fwd Raised on class: l2fwd.AccessInterfaceStp	Severity: major Implicitly cleared: true Default probable cause: StpException (228)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a SAP detects an STP exception condition, for example, one-way communication or a downstream loop. The alarm clears when the STP condition changes.		
Raising condition: (('STP Exception Condition' NOT EQUAL 'None') AND ('Administrative State' EQUAL 'Up'))		
Clearing condition: (('STP Exception Condition' EQUAL 'None') OR ('Administrative State' EQUAL 'Down'))		
Remedial action: Check 'STP Exception Condition' field for more details and fix the STP exception.		

Table 11-307 StpRootGuardViolation

Alarm	Attributes	Applicable major NE releases
Name: StpRootGuardViolation (503) Type: AccessInterfaceAlarm (32) Package: I2fwd Raised on class: I2fwd.AccessInterfaceStp	Severity: warning Implicitly cleared: true Default probable cause: spanningTreeTopologyChanged (331)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a SAP detects an STP root guard violation.		
Raising condition: ('Root Guard Violation' EQUAL 'true')		
Clearing condition: ('Root Guard Violation' NOT EQUAL 'true')		
Remedial action: Set 'Root Guard' to false if not necessary.		

Table 11-308 SubHostLcktLimitReached

Alarm	Attributes	Applicable major NE releases
Name: SubHostLcktLimitReached (4387) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: false Default probable cause: tmnxSubHostLcktLimitReached (1570)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0
Description: This alarm is raised when the system wide maximum number of lockout hosts is reached.		
Remedial action: Please do one of the following: 1. Investigate why the hosts are locked out. Possible reasons include authentication failure due to mis-configuration on the host end, mis-configuration on the BNG, missing or invalid configuration on the RADIUS server, session negotiation failure with the client, resource exhaustion on the BNG, unavailability of RADIUS server (and no fallback configured). 2. Clear the host lockout.		

Table 11-309 SubHostLcktSapLimitReached

Alarm	Attributes	Applicable major NE releases
Name: SubHostLcktSapLimitReached (4391) Type: configurationAlarm (11) Package: service Raised on class: service.AccessInterface	Severity: minor Implicitly cleared: false Default probable cause: tmnxSubHostLcktSapLimitReached (1572)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0
Description: This alarm is raised when the maximum number of lockout hosts on a given SAP is reached.		
Remedial action: Please do one of the following: 1. Investigate why the hosts are locked out. Possible reasons include authentication failure due to mis-configuration on the host end, mis-configuration on the BNG, missing or invalid configuration on the RADIUS server, session negotiation failure with the client, resource exhaustion on the BNG, unavailability of RADIUS server (and no fallback configured). 2. Clear the host lockout on the SAP. 3. Change the Maximum Lockout Hosts (per SAP).		

Table 11-310 SubnetDepleted

Alarm	Attributes	Applicable major NE releases
Name: SubnetDepleted (3953) Type: configurationAlarm (11) Package: dhcp Raised on class: dhcp.Subnet	Severity: major Implicitly cleared: false Default probable cause: actualFreeAddrDepleted (1529)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: This alarm is generated when the actual number of free addresses in the DHCP Server Subnet becomes zero.		
Remedial action: This alarm is generated when the actual number of free addresses in a subnet becomes zero. Please create another subnet.		

Table 11-311 SubscriberInterfaceDown

Alarm	Attributes	Applicable major NE releases
Name: SubscriberInterfaceDown (440) Type: SubscriberInterfaceAlarm (43) Package: service Raised on class: service.SubscriberInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a subscriber interface is operationally down. The alarm clears when the subscriber interface is operationally up.		
Raising condition: ('operationalState' NOT EQUAL 'Up')		
Clearing condition: ('operationalState' EQUAL 'Up')		
Remedial action: Check the configuration and the underlying physical interface.		

Table 11-312 SubscriberSystemNextHopUsageHigh

Alarm	Attributes	Applicable major NE releases
Name: SubscriberSystemNextHopUsageHigh (5157) Type: thresholdCrossed (6) Package: netw Raised on class: netw.NetworkElement	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit.		
Raising condition: ('IP Next Hop Usage High' EQUAL 'true')		
Clearing condition: ('IP Next Hop Usage High' EQUAL 'false')		
Remedial action: The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit. There is no immediate effect, but when the usage actually hits the limit, new hosts will not get their managed routes.		

Table 11-313 svcMacFdbTabelFull

Alarm	Attributes	Applicable major NE releases
Name: svcMacFdbTabelFull (3890) Type: resourceAlarm (28) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the system limit of FDB records is reached.		
Remedial action: The alarm is raised when system limit of FDB records is reached.		

Table 11-314 TemperatureThresholdCrossed

Alarm	Attributes	Applicable major NE releases
Name: TemperatureThresholdCrossed (7) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Environment	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a temperature crosses a threshold.		
Raising condition: ('temperatureThresholdCrossed' EQUAL 'true')		
Clearing condition: ('temperatureThresholdCrossed' EQUAL 'false')		
Remedial action: The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 11-315 TmnxEqPortEtherLoopDetected

Alarm	Attributes	Applicable major NE releases
Name: TmnxEqPortEtherLoopDetected (461) Type: portEtherLoopDetected (48) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a device detects a physical loop on an Ethernet port.		
Raising condition: (('Down When Looped Status' EQUAL 'Loop Detected'))		
Clearing condition: (('Down When Looped Status' EQUAL 'No Loop Detected'))		
Remedial action: An Ethernet port has been mis-cabled - please remove the loopback cable on the port.		

11 – Alcatel-Lucent 7450 ESS alarms

Table 11-316 TPLSPDown

Alarm	Attributes	Applicable major NE releases
Name: TPLSPDown (4900) Type: pathAlarm (12) Package: mplstp Raised on class: mplstp.TPLsp	Severity: critical Implicitly cleared: true Default probable cause: TPLSPDown (1957)	<ul style="list-style-type: none"> • 11.0 • 12.0
Description: The alarm is raised when the TP LSP Administrative State is Up and the Operational State is Down. The alarm clears when the TP LSP Operational State changes to Up or the Administrative State changes to Down.		
Raising condition: (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up'))		
Clearing condition: (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up'))		
Remedial action: The Operational state of the TP LSP is down, despite the Administrative state being up. Review the configuration and make sure that the destination information is set correctly and that the Administrative state is up.		

Table 11-317 TPLSPPATHDown

Alarm	Attributes	Applicable major NE releases
Name: TPLSPPATHDown (4901) Type: pathAlarm (12) Package: mplstp Raised on class: mplstp.TPLspPath	Severity: critical Implicitly cleared: true Default probable cause: TPLSPPATHDown (1958)	<ul style="list-style-type: none"> • 11.0 • 12.0
Description: The alarm is raised when the TP LSP Path Administrative State is Up and the Operational State is Down. The alarm clears when the TP LSP Path Operational State changes to Up or the Administrative State changes to Down.		
Raising condition: (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up'))		
Clearing condition: (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up'))		
Remedial action: The Operational state of the TP LSP Path is down, despite the Administrative state being up. Review the configuration and make sure that the Administrative state is up, the egress and ingress labels are set and the Out-Link interface is operationally up.		

Table 11-318 TrapDestinationMisconfigured

Alarm	Attributes	Applicable major NE releases
Name: TrapDestinationMisconfigured (33) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: trapDestinationMisconfigured (26) Applicable probable causes: <ul style="list-style-type: none"> • trapDestinationMisconfigured • duplicateTrapLogId 	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the 5620 SAM cannot be added to the NE's SNMP trap destinations.		
Raising condition: ('isTrapDestinationMisconfigured' EQUAL 'true')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: ('isTrapDestinationMisconfigured' EQUAL 'false')		
Remedial action: A configuration error has been made which must be corrected. The SNMP trap destination on the NE must be configured to the IP address of the SAM server.		

(2 of 2)

Table 11-319 TrapReceivingFailure

Alarm	Attributes	Applicable major NE releases
Name: TrapReceivingFailure (1083) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: false Default probable cause: trapsWillNotBeSent (822)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: This user-defined alarm is raised when the NE is unable to send traps because the NE configuration is one of the following: - The Management IP Selection is set to Out Of Band Only, the Primary Route Preference is set to In Band, and the Secondary Route Preference is set to None. - The Management IP Selection is set to In Band Only, the Primary Route Preference is set to Out Of Band, and the Secondary Route Preference is set to None.		
Raising condition: (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
Clearing condition: (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND ('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND ('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band'))))		
Remedial action: A configuration error has been made which must be corrected. The configuration error must be corrected per the discussion in the description for this alarm.		

Table 11-320 TrapRoutePreferenceRedundancyMissing

Alarm	Attributes	Applicable major NE releases
Name: TrapRoutePreferenceRedundancyMissing (1084) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: trapsRedundancyMissing (823)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0

(1 of 2)

11 – Alcatel-Lucent 7450 ESS alarms

Alarm	Attributes	Applicable major NE releases
Description: The user-defined alarm is raised when NE management redundancy is configured without trap route preference redundancy.		
Raising condition: (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
Clearing condition: (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Secondary Route Preference' NOT EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Secondary Route Preference' NOT EQUAL 'None'))))		
Remedial action: A configuration error has been made which must be corrected. The IP address of the standby SAM server must be configured on the NE in question.		

(2 of 2)

Table 11-321 TunnelAdministrativelyDown (mpls)

Alarm	Attributes	Applicable major NE releases
Name: TunnelAdministrativelyDown (523) Type: pathAlarm (12) Package: mpls Raised on class: mpls.Tunnel	Severity: minor Implicitly cleared: true Default probable cause: tunnelAdministrativelyDown (333)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the 5620 SAM detects that an MPLS path is administratively down.		
Raising condition: ('Administrative' NOT EQUAL 'Up')		
Clearing condition: ('Administrative' EQUAL 'Up')		
Remedial action: Turn up the corresponding MPLS path.		

Table 11-322 TunnelAdministrativelyDown (svt)

Alarm	Attributes	Applicable major NE releases
Name: TunnelAdministrativelyDown (523) Type: pathAlarm (12) Package: svt Raised on class: svt.Tunnel	Severity: minor Implicitly cleared: true Default probable cause: tunnelAdministrativelyDown (333)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the 5620 SAM detects that a service tunnel is administratively down.		
Raising condition: ('administrativeState' NOT EQUAL 'Up')		
Clearing condition: ('administrativeState' EQUAL 'Up')		
Remedial action: Informational - an operator has manually turned down a service tunnel.		

Table 11-323 TunnelDown (mpls)

Alarm	Attributes	Applicable major NE releases
Name: TunnelDown (30) Type: pathAlarm (12) Package: mpls Raised on class: mpls.Tunnel	Severity: warning Implicitly cleared: true Default probable cause: tunnelDown (23)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an MPLS path has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up'))		
Clearing condition: (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up'))		
Remedial action: Check the network resources along the path.		

Table 11-324 TunnelDown (svt)

Alarm	Attributes	Applicable major NE releases
Name: TunnelDown (30) Type: pathAlarm (12) Package: svt Raised on class: svt.AbstractTunnel	Severity: critical Implicitly cleared: true Default probable cause: tunnelDown (23)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the 5620 SAM detects that a service tunnel is operationally down.		
Raising condition: (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up'))		
Clearing condition: (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up'))		
Remedial action: This alarm indicates that a problem has been made in the underlying transport network. If the alarm persists or re-occurs frequently then investigation of the underlying transport issues is warranted.		

Table 11-325 TxSectionSynchronizationError

Alarm	Attributes	Applicable major NE releases
Name: TxSectionSynchronizationError (92) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: txSectionSynchronizationError (78)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a SONET port reports an SS1F error. The alarm corresponds to the ss1f alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'TX Section Synchronization Error') AND ('Report Alarms'anyBit'TX Section Synchronization Error'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'TX Section Synchronization Error') AND ('Report Alarms'anyBit'TX Section Synchronization Error'))		
Remedial action: Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 11-326 UnidentifiedNode

Alarm	Attributes	Applicable major NE releases
Name: UnidentifiedNode (1922) Type: communicationsAlarm (4) Package: netw Raised on class: netw.DiscoveredNode	Severity: major Implicitly cleared: true Default probable cause: unidentifiedNode (922)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the node being discovered can not be properly identified.		
Raising condition: ('State' EQUAL 'Pending Identification')		
Clearing condition: ('State' NOT EQUAL 'Pending Identification')		
Remedial action: A configuration error has occurred that must be corrected. The eNodeB does not have a system name. The name can be configured by selecting the alarm, opening the associated properties form for the alarmed object and configuring the system name.		

Table 11-327 UnmanageFailed

Alarm	Attributes	Applicable major NE releases
Name: UnmanageFailed (300) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.NodeDiscoveryControl	Severity: warning Implicitly cleared: true Default probable cause: unableToDeleteNode (231)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an attempt to unmanage an NE fails.		
Raising condition: ('Site State' EQUAL 'unmanage failed')		
Clearing condition: ('Site State' NOT EQUAL 'unmanage failed')		
Remedial action: Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 11-328 unsupportedPortUsage

Alarm	Attributes	Applicable major NE releases
Name: unsupportedPortUsage (5184) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: warning Implicitly cleared: true Default probable cause: incompatiblePortUsage (2100)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised in case unsupported port type is configured		
Raising condition: (('portId' >= '1L') AND ('portId' <= '4L') AND ('specificCardType' EQUAL 'EASv2') AND (('Port Usage' EQUAL 'MPT-HC') OR ('Port Usage' EQUAL 'MPT-MC')))"		
Clearing condition: NOT (((('portId' >= '1L') AND ('portId' <= '4L') AND ('specificCardType' EQUAL 'EASv2') AND (('Port Usage' EQUAL 'MPT-HC') OR ('Port Usage' EQUAL 'MPT-MC')))))"		
Remedial action: This alarm indicates unsupported port usage. Port usage configured on the NE is not supported by SAM.		

Table 11-329 UpgradedBuildVersionMismatch

Alarm	Attributes	Applicable major NE releases
Name: UpgradedBuildVersionMismatch (174) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: upgradedImageNotBooted (137)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the software version that an NE reports after a software upgrade does not match the version of the software used for the upgrade.		
Raising condition: ('upgradedBuildVersionMismatch' EQUAL 'true')		
Clearing condition: ('upgradedBuildVersionMismatch' EQUAL 'false')		
Remedial action: Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 11-330 upgradedCardAlarm

Alarm	Attributes	Applicable major NE releases
Name: upgradedCardAlarm (255) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: upgradedCard (194)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the standby CPM is rebooted and operational after a software upgrade. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
Raising condition: ('operationalState' EQUAL 'Upgrade')		
Clearing condition: ('operationalState' EQUAL 'Up')		
Remedial action: Informational - no corrective action required.		

Table 11-331 VersionConfigRestoreFailed

Alarm	Attributes	Applicable major NE releases
Name: VersionConfigRestoreFailed (536) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: versionMismatch (405)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the restore procedure on an NE fails because of a mismatch between the backup file set version and the NE software version.		
Raising condition: ('lastNmsVersionRestoreState' EQUAL 'Failure')		
Clearing condition: ('lastNmsVersionRestoreState' EQUAL 'Success')		
Remedial action: The backup files being restored do not match with the version of node software release. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

Table 11-332 VideoInterfaceDown

Alarm	Attributes	Applicable major NE releases
Name: VideoInterfaceDown (794) Type: VideoInterfaceAlarm (72) Package: service Raised on class: service.VideoInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a video interface is operationally down. The alarm clears when the video interface is operationally up.		
Raising condition: ('Operational State' NOT EQUAL 'Up')		
Clearing condition: ('Operational State' EQUAL 'Up')		
Remedial action: Check the configuration and the underlying physical interface.		

Table 11-333 VirtualLinkDown

Alarm	Attributes	Applicable major NE releases
Name: VirtualLinkDown (122) Type: VirtualLinkAlarm (21) Package: ospf Raised on class: ospf.VirtualLink	Severity: warning Implicitly cleared: true Default probable cause: VirtualLinkDown (104)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a virtual link is Down.		
Raising condition: ('Operational State' EQUAL 'Down')		
Clearing condition: ('Operational State' NOT EQUAL 'Down')		
Remedial action: This alarm is raised when the OSPF virtual link is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 11-334 VirtualNeighborDown

Alarm	Attributes	Applicable major NE releases
Name: VirtualNeighborDown (123) Type: VirtualNeighborDown (22) Package: ospf Raised on classes: <ul style="list-style-type: none"> • ospf.ShamLink • ospf.VirtualLink 	Severity: warning Implicitly cleared: true Default probable cause: VirtualNeighborDown (105)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a neighbor virtual link is operationally down.		
Raising condition: ('neighborCount' EQUAL '0L')		
Clearing condition: ('neighborCount' NOT EQUAL '0L')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: This alarm is raised when the OSPF neighbor virtual link is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

(2 of 2)

Table 11-335 VRtrIfDDosDynamicExceeded

Alarm	Attributes	Applicable major NE releases
Name: VRtrIfDDosDynamicExceeded (4887) Type: securityServiceOrMechanismViolation (92) Package: rtr Raised on class: rtr.VirtualInterface	Severity: warning Implicitly cleared: true Default probable cause: ExceedingPolicingParameters (1950)	<ul style="list-style-type: none"> 11.0 12.0
Description: The alarm is raised when the protocol on a particular network interface has been detected as non-conformant to the associated distributed CPU protection policy parameters (on receiving vRtrIfDcpDynamicExcd trap) and the alarm status is set as non-conformant. When the network interface starts hold-down period for an exceeding protocol (on receiving vRtrIfDcpDynamicHoldDownStart trap), the alarm status will change into non-conformant(Hold Down Start). When the network interface completes hold-down period for an exceeding protocol (on receiving vRtrIfDcpDynamicHoldDownEnd trap), the alarm status will be changed into non-conformant(Hold Down End). When the protocol for the network interface has been detected as conformant for a period of the configured detection-time after having been previously detected as exceeding and completed any hold-down period (on receiving vRtrIfDcpDynamicConform trap), the alarm will be cleared.		
Remedial action: Appropriate configuration changes to the distributed CPU protection policy or to the affected network interface may be required.		

Table 11-336 VRtrIfDDosLocMonitorExceeded

Alarm	Attributes	Applicable major NE releases
Name: VRtrIfDDosLocMonitorExceeded (4888) Type: securityServiceOrMechanismViolation (92) Package: rtr Raised on class: rtr.VirtualInterface	Severity: warning Implicitly cleared: true Default probable cause: ExceedingPolicingParameters (1950)	<ul style="list-style-type: none"> 11.0 12.0
Description: The alarm is raised when the local-monitoring-policer for a particular network interface has transitioned from a conformant state to a non-conformant state and the system will attempt to allocate dynamic enforcement policers (on receiving sapDcpLocMonExcd trap), and the alarm status is set as non-conformant. When all dynamic enforcement policers associated with a non-conformant local-monitoring-policer have been successfully allocated for the network interface (on receiving sapDcpLocMonExcdAllDynAlloc trap), the alarm status will be changed into non-conformant(Located All). When the local-monitoring-policer for a particular network interface has transitioned from a conformant state to a non-conformant state and the system cannot allocate all the dynamic enforcement policers associated with the distributed CPU protection policy (on receiving sapDcpLocMonExcdDynResource trap), the alarm status will be changed into non-conformant(Cannot Allocate All). When all the previously allocated dynamic enforcement policers for a particular local-monitoring-policer on the associated distributed CPU protection policy have been freed up and all the protocols are once again being monitored by local-monitor (on receiving sapDcpLocMonExcdAllDynFreed trap), the alarm will be cleared.		
Remedial action: Appropriate configuration changes to the distributed CPU protection policy or to the affected network interface may be required.		

Table 11-337 VRtrIfDDosStaticExceeded

Alarm	Attributes	Applicable major NE releases
Name: VRtrIfDDosStaticExceeded (4889) Type: securityServiceOrMechanismViolation (92) Package: rtr Raised on class: rtr.VirtualInterface	Severity: warning Implicitly cleared: true Default probable cause: ExceedingPolicingParameters (1950)	<ul style="list-style-type: none"> • 11.0 • 12.0
Description: The alarm is raised when the static-policer on a particular network interface has been detected as non-conformant to the associated distributed CPU protection policy parameters (on receiving vRtrIfDcpStaticExcd trap) and the alarm status is set as non-conformant. When the network interface starts hold-down period for the exceeding static-policer (on receiving vRtrIfDcpStaticHoldDownStart trap), the alarm status will change into non-conformant(Hold Down Start). When the network interface ends hold-down period for the exceeding static-policer (on receiving vRtrIfDcpStaticHoldDownEnd trap), the alarm status will be changed into non-conformant(Hold Down End). When the static-policer for the network interface has been detected as conformant for a period of the configured detection-time after having been previously detected as exceeding and completed any hold-down period (on receiving vRtrIfDcpStaticConform trap), the alarm will be cleared.		
Remedial action: Appropriate configuration changes to the distributed CPU protection policy or to the affected network interface may be required.		

Table 11-338 WaveTrackerEncoderDegrade

Alarm	Attributes	Applicable major NE releases
Name: WaveTrackerEncoderDegrade (821) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.WaveLengthTracker	Severity: major Implicitly cleared: true Default probable cause: EncoderDegrade (584)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a device reports an encoder degradation on a wavelength tracker interface.		
Raising condition: (('Configured Alarms'anyBit'Encoder Degrade') AND ('Reported Alarms'anyBit'Encoder Degrade'))		
Clearing condition: NOT (('Configured Alarms'anyBit'Encoder Degrade') AND ('Reported Alarms'anyBit'Encoder Degrade'))		
Remedial action: The OT or SVAC card has detected a DSP failure and this means that the wavelength tracker encode power control is compromised. If this occurs during steady state operation, there is a high probability that the services carried by this OT or SVAC are unaffected. To clear this alarm, replace the card. The card replacement procedure is service affecting and should be conducted during a maintenance window.		

Table 11-339 WaveTrackerEncoderFailure

Alarm	Attributes	Applicable major NE releases
Name: WaveTrackerEncoderFailure (822) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.WaveLengthTracker	Severity: major Implicitly cleared: true Default probable cause: EncoderFailure (585)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a device reports an encoder failure on a wavelength tracker interface.		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Raising condition: (('Configured Alarms'anyBit'Encoder Failure') AND ('Reported Alarms'anyBit'Encoder Failure'))		
Clearing condition: NOT (((('Configured Alarms'anyBit'Encoder Failure') AND ('Reported Alarms'anyBit'Encoder Failure'))))		
Remedial action: A cold reset, reseal, or replacement of a card is service impacting if the card is currently carrying services. If there are services currently carried over the card, it may be best to wait for a maintenance window before resetting, replacing, or reseating the card. Confirm that replacement OT or SVAC card supports the same band as the alarmed OT or SVAC card and connect all fibers to the replacement OT or SVAC card.		

(2 of 2)

Table 11-340 WaveTrackerMissingPluggableVOA

Alarm	Attributes	Applicable major NE releases
Name: WaveTrackerMissingPluggableVOA (4618) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.WaveLengthTracker	Severity: major Implicitly cleared: true Default probable cause: MissingPluggableVOA (1887)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a device reports a power control high limit on a wavelength tracker interface.		
Raising condition: (('Configured Alarms'anyBit'Missing Pluggable VOA') AND ('Reported Alarms'anyBit'Missing Pluggable VOA'))		
Clearing condition: NOT (((('Configured Alarms'anyBit'Missing Pluggable VOA') AND ('Reported Alarms'anyBit'Missing Pluggable VOA'))))		
Remedial action: Informational - no corrective action required.		

Table 11-341 WaveTrackerPowerControlDegrade

Alarm	Attributes	Applicable major NE releases
Name: WaveTrackerPowerControlDegrade (823) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.WaveLengthTracker	Severity: major Implicitly cleared: true Default probable cause: PowerControlDegrade (586)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a device reports a power control degradation on a wavelength tracker interface.		
Raising condition: (('Configured Alarms'anyBit'Power Control Degrade') AND ('Reported Alarms'anyBit'Power Control Degrade'))		
Clearing condition: NOT (((('Configured Alarms'anyBit'Power Control Degrade') AND ('Reported Alarms'anyBit'Power Control Degrade'))))		
Remedial action: check to see that the fiber for that card is correct. Remove the fiber from the Tx port on the transponder card. If the condition clears after 20 seconds, then this is a misfiber problem.		

Table 11-342 WaveTrackerPowerControlFailure

Alarm	Attributes	Applicable major NE releases
Name: WaveTrackerPowerControlFailure (824) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.WaveLengthTracker	Severity: critical Implicitly cleared: true Default probable cause: PowerControlFailure (587)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a device reports a power control failure on a wavelength tracker interface.		
Raising condition: (('Configured Alarms'anyBit'Power Control Failure') AND ('Reported Alarms'anyBit'Power Control Failure'))		
Clearing condition: NOT (('Configured Alarms'anyBit'Power Control Failure') AND ('Reported Alarms'anyBit'Power Control Failure'))		
Remedial action: Either alarmed card has detected equipment problem or there is misfibering problem such that a light-emitting fiber has been plugged into the Tx port of aWavelength Tracker encoder-equipped transponder card.If the card is a transponder card that is equipped with aWavelength Tracker encoder, check to see that the fibering for that card is correct. Remove the fiber from the Tx port on the transponder card. If the condition clears after 20 seconds, then this is a misfibering problem.the card is an SVAC, or if there is no fibering problem on the transponder card.Disconnect all fibers on the alarmed card and Replace the card. connect all fibers to the replacement card		

Table 11-343 WaveTrackerPowerControlHighlimit

Alarm	Attributes	Applicable major NE releases
Name: WaveTrackerPowerControlHighlimit (825) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.WaveLengthTracker	Severity: major Implicitly cleared: true Default probable cause: PowerControlHighlimit (588)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a device reports a power control high limit on a wavelength tracker interface.		
Raising condition: (('Configured Alarms'anyBit'Power Control High limit reached') AND ('Reported Alarms'anyBit'Power Control High limit reached'))		
Clearing condition: NOT (('Configured Alarms'anyBit'Power Control High limit reached') AND ('Reported Alarms'anyBit'Power Control High limit reached'))		
Remedial action: Informational - no corrective action required.		

Table 11-344 WaveTrackerPowerControllowlimit

Alarm	Attributes	Applicable major NE releases
Name: WaveTrackerPowerControllowlimit (826) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.WaveLengthTracker	Severity: major Implicitly cleared: true Default probable cause: PowerControllowlimit (589)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a device reports a power control low limit on a wavelength tracker interface.		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Raising condition: (('Configured Alarms'anyBit'Power Control Low limit reached') AND ('Reported Alarms'anyBit'Power Control Low limit reached'))		
Clearing condition: NOT (((('Configured Alarms'anyBit'Power Control Low limit reached') AND ('Reported Alarms'anyBit'Power Control Low limit reached'))))		
Remedial action: Informational - no corrective action required.		

(2 of 2)

Table 11-345 WrongCpaaSoftwareVersion

Alarm	Attributes	Applicable major NE releases
Name: WrongCpaaSoftwareVersion (791) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: wrongCpaaSoftwareVersion (559)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the 7701 CPAA software is the wrong version and requires an upgrade.		
Raising condition: (('Software Version' EQUAL \"TIMOS-B-3.0.Generic \") AND ('Chassis Type' EQUAL '7701 CPAA'))		
Clearing condition: (('Software Version' NOT EQUAL \"TIMOS-B-3.0.Generic \") AND ('Chassis Type' EQUAL '7701 CPAA'))		
Remedial action: The SW version of the CPAA must be upgraded to the version compatible with CPAM version.		

Table 11-346 XplError

Alarm	Attributes	Applicable major NE releases
Name: XplError (573) Type: hardwareAnomaly (55) Package: equipment Raised on class: equipment.DaughterCard	Severity: minor Implicitly cleared: true Default probable cause: xplError (443)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an MDA reports persistent XPL Errors.		
Raising condition: ('Number Of Notifications' NOT EQUAL '0')		
Clearing condition: ('Number Of Notifications' EQUAL '0')		
Remedial action: Informational - if the condition persists then the MDA indicated in the alarm should be replaced.		

12 — Alcatel-Lucent 7701 CPAA alarms



Note — Some alarms that the 5620 SAM can raise against this device may not be listed in this chapter. Associating alarms with specific NE types is an ongoing Alcatel-Lucent effort. If the 5620 SAM raises an alarm against this device type, and the alarm is not described in this chapter, see chapter 35 for information about the alarm.

Table 12-1 ActiveAbnormalCondition

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

Table 12-2 AGWDiameterPeerDown

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

Table 12-3 AncillaryPathLimitReached

Alarm	Attributes	Applicable major NE releases
Name: AncillaryPathLimitReached (459) Type: resourceAlarm (28) Package: equipment Raised on class: equipment.DaughterCard	Severity: warning Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> 7.0
Description: The alarm is raised when the Ingress Multicast Path Management ancillary path bandwidth limit is reached.		
Raising condition: (('Ancillary Path Limit Override' > '0') AND ('Ancillary Path In use' >= (1000 * 'Ancillary Path Limit Override'))"		
Clearing condition: (('Ancillary Path Limit Override' > '0') AND ('Ancillary Path In use' < (1000 * 'Ancillary Path Limit Override'))"		
Remedial action: Informational - The alarm is raised when the Ingress Multicast Path Management ancillary path bandwidth limit is reached. This can be remedied by modifying the ancillary path limit located at T1 Paths tab of the multicast bandwidth policy which assigned to the card, or increase the ancillary path limit override located at the Daughter Card tab under Daughter Card Slot form.		

Table 12-4 AreaTypeMismatch

Alarm	Attributes	Applicable major NE releases
Name: AreaTypeMismatch (38) Type: configurationAlarm (11) Package: ospf Raised on class: ospf.Area	Severity: warning Implicitly cleared: true Default probable cause: areaTypeMisconfigured (34)	<ul style="list-style-type: none"> 6.0 7.0
Description: The alarm is raised when an OSPF area on one NE is configured as an NSSA and the same OSPF area on another NE is configured as a stub area.		
Raising condition: ('Type Mismatch' EQUAL 'true')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: ('Type Mismatch' EQUAL 'false')		
Remedial action: A configuration error has been made which must be corrected. The OSPF area type configured for the NE does not match with the same OSPF area configured on another NE. Compare the configuration on the endpoint and correct the mismatch.		

(2 of 2)

Table 12-5 AuxiliaryServerStatus

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

Table 12-6 BgpASAdminDomainNumberMismatch

Alarm	Attributes	Applicable major NE releases
Name: BgpASAdminDomainNumberMismatch (427) Type: configurationAlarm (11) Package: topology Raised on class: topology.Cpaa	Severity: critical Implicitly cleared: true Default probable cause: configuredASNotMatchBgpASAdminDomain (338)	<ul style="list-style-type: none"> • 6.0 • 7.0
Description: The alarm is raised when a 7701 CPAA BGP AS does not match the BGP AS administrative domain.		
Raising condition: ('BGP AS Number Mismatch' EQUAL 'true')		
Clearing condition: ('BGP AS Number Mismatch' EQUAL 'false')		
Remedial action: The configured AS number for BGP AS and Sub-AS should match the configured values on the CPAA.		

12 — Alcatel-Lucent 7701 CPAA alarms

Table 12-7 BgpDown

Alarm	Attributes	Applicable major NE releases
Name: BgpDown (6) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 6.0 • 7.0
Description: The alarm is raised when a BGP instance has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: The BGP protocol entity is down - administratively disable BGP and re-enable. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 12-8 BootableConfigBackupFailed

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

Table 12-9 BootableConfigRestoreFailed

Alarm	Attributes	Applicable major NE releases
Name: BootableConfigRestoreFailed (104) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> • 6.0 • 7.0
Description: The alarm is raised when the 5620 SAM fails to restore a set of NE configuration files.		
Raising condition: ('Restore State' EQUAL 'Failure')		
Clearing condition: ('Restore State' EQUAL 'Success')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: Investigation is required to resolve the following possible scenarios: the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

(2 of 2)

Table 12-10 BootParametersMisconfigured

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

Table 12-11 ClientDelegateServerStatus

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

Table 12-12 ContainingEquipmentAdministrativelyDown

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

Table 12-13 ContainingEquipmentMismatch

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

Table 12-14 ContainingEquipmentOperationallyDown

Alarm	Attributes	Applicable major NE releases
Name: ContainingEquipmentOperationallyDown (465) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentDown (329)	<ul style="list-style-type: none"> 6.0 7.0
Description: The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentOperationallyDown.		
Raising condition: (('Status' EQUAL 'Parent Oper Down') AND ('isTerminatable' EQUAL 'true'))		
Clearing condition: (('Status' NOT EQUAL 'Parent Oper Down') OR ('isTerminatable' NOT EQUAL 'true'))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: The operational state of the equipment element indicated in the alarm is down. This may be due to the element's administrative state or it may indicate that the element has failed.		

(2 of 2)

Table 12-15 CorruptImageFile

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

Table 12-16 downgradedCardAlarm

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

Table 12-17 EquipmentAdministrativelyDown

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

Table 12-18 EquipmentDegraded

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

Table 12-19 EquipmentDown

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

Table 12-20 EquipmentFailure

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

Table 12-21 EquipmentInTest

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

Table 12-22 EquipmentMismatch

Alarm	Attributes	Applicable major NE releases
Name: EquipmentMismatch (9) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: equipmentTypeMismatch (7)	<ul style="list-style-type: none"> 6.0 7.0
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMismatch.		
Raising condition: ('compositeEquipmentState' EQUAL 'Type Mismatch')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Type Mismatch')		

(1 of 2)

12 – Alcatel-Lucent 7701 CPAA alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

(2 of 2)

Table 12-23 EquipmentRemoved

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

Table 12-24 EthernetPortConfiguredLoopback

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

Table 12-25 EthernetPortDuplicateLane

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortDuplicateLane (3557) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: DuplicateLane (1387)	<ul style="list-style-type: none"> 6.0 7.0
Description: The alarm is raised when a device reports a Duplicate Lane on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 12-26 EthernetPortHighBer

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

Table 12-27 EthernetPortLocalFault

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortLocalFault (305) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: LocalFault (236)	<ul style="list-style-type: none"> 6.0 7.0
Description: The alarm is raised when a device reports a local fault on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))		

(1 of 2)

12 – Alcatel-Lucent 7701 CPAA alarms

Alarm	Attributes	Applicable major NE releases
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault')))		
Remedial action: One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

(2 of 2)

Table 12-28 EthernetPortNoAmLock

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

Table 12-29 EthernetPortNoBlockLock

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

Table 12-30 EthernetPortNoFrameLock

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortNoFrameLock (306) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoFrameLock (237)	<ul style="list-style-type: none"> 6.0 7.0
Description: The alarm is raised when a device reports No Frame Lock on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock'))		
Remedial action: One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 12-31 EthernetPortRemoteFault

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

Table 12-32 EthernetPortSignalFailure

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortSignalFailure (303) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: SignalFailure (234)	<ul style="list-style-type: none"> 6.0 7.0
Description: The alarm is raised when a device reports a signal failure on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))		

(1 of 2)

12 – Alcatel-Lucent 7701 CPAA alarms

Alarm	Attributes	Applicable major NE releases
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))))		
Remedial action: One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

(2 of 2)

Table 12-33 FanFailure

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

Table 12-34 FanTrayRemoved

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

Table 12-35 FrameSizeProblem (netw)

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

Table 12-36 GaPeerDown

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

Table 12-37 IncompleteConfiguration

Alarm	Attributes	Applicable major NE releases
Name: IncompleteConfiguration (1942) Type: operationalViolation (93) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: incompleteConfig (225)	<ul style="list-style-type: none"> 6.0 7.0
Description: The alarm is raised when a pre-provisioned NE has no objects configured beneath it.		
Raising condition: (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' EQUAL '\'))		
Clearing condition: (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' NOT EQUAL '\'))		

(1 of 2)

12 – Alcatel-Lucent 7701 CPAA alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: A configuration error has been made which must be corrected. The configuration of the pre-provisioned NE is incomplete. A work order was not associated with the pre-provisioned NE and as a consequence the attempt to auto-configure the NE failed.		

(2 of 2)

Table 12-38 InterfaceDown (netw)

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

Table 12-39 InterfaceNeighborDown

Alarm	Attributes	Applicable major NE releases
Name: InterfaceNeighborDown (661) Type: NeighborDown (20) Package: ospf Raised on class: ospf.Interface	Severity: warning Implicitly cleared: true Default probable cause: NeighborDown (103)	<ul style="list-style-type: none"> 6.0 7.0
Description: The alarm is raised when an interface neighbor is operationally down.		
Raising condition: (('Neighbor Count' EQUAL '0L') AND ('interfaceClass' NOT EQUAL 'System') AND ('Passive' NOT EQUAL 'true'))		
Clearing condition: (('Neighbor Count' NOT EQUAL '0L') OR ('Passive' EQUAL 'true'))		
Remedial action: This alarm is raised when the OSPF interface neighbor is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 12-40 IsisAdjacencyDown

Alarm	Attributes	Applicable major NE releases
Name: IsisAdjacencyDown (153) Type: adjacencyAlarm (31) Package: isis Raised on class: isis.Interface	Severity: minor Implicitly cleared: true Default probable cause: IsisInterfaceDown (232)	<ul style="list-style-type: none"> • 6.0 • 7.0
Description: The alarm is raised when an IS-IS interface has no adjacencies, for example, because the IS-IS protocol on the remote site is down.		
Raising condition: (('Adjacency Count' EQUAL '0L') AND ('interfaceClass' NOT EQUAL 'System') AND ('Passive' NOT EQUAL 'True'))		
Clearing condition: (('Adjacency Count' > '0L') OR ('Passive' EQUAL 'True'))		
Remedial action: Check remote site to see if corresponding IS-IS interface is configured and admin up.		

Table 12-41 IsisDown

Alarm	Attributes	Applicable major NE releases
Name: IsisDown (19) Type: ProtocolAlarm (1) Package: isis Raised on class: isis.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 6.0 • 7.0
Description: The alarm is raised when an IS-IS site has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: The protocol is not working anymore, could be a problem with IP addresses, resources on the device, ...		

Table 12-42 IsisInterfaceDown

Alarm	Attributes	Applicable major NE releases
Name: IsisInterfaceDown (301) Type: ProtocolAlarm (1) Package: isis Raised on class: isis.Interface	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 6.0 • 7.0
Description: The alarm is raised when an IS-IS interface has an Operational State other than Up.		
Raising condition: ('Operational State' EQUAL 'Down')		
Clearing condition: ('Operational State' NOT EQUAL 'Down')		
Remedial action: Check if underlying port is down, or associated network interface is down.		

Table 12-43 LagPortAddFailed

Alarm	Attributes	Applicable major NE releases
Name: LagPortAddFailed (422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: warning Implicitly cleared: true Default probable cause: linkDown (315)	<ul style="list-style-type: none"> • 6.0 • 7.0
Description: The alarm is raised when the Lag Port Add function Fails.		
Raising condition: (('state' EQUAL 'Link Down') AND ('LAG ID' > '0'))		
Clearing condition: (('state' NOT EQUAL 'Link Down') OR ('LAG ID' EQUAL '0'))		
Remedial action: A configuration error has occurred which must be corrected. The link that was to be added to the LAG group may be of the wrong type (i.e. non ethernet) or the limit of the number of links supported in a LAG may have been reached.		

Table 12-44 LicensedLimitExceeded

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

Table 12-45 LinkDown

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

Table 12-46 LowTemperatureDetected

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

Table 12-47 MobileConnectorDown

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

Table 12-48 MvrSiteDown

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

Table 12-49 NeighborDown

Alarm	Attributes	Applicable major NE releases
Name: NeighborDown (121) Type: NeighborDown (20) Package: ospf Raised on class: ospf.AbstractNeighbor	Severity: major Implicitly cleared: true Default probable cause: NeighborDown (103)	<ul style="list-style-type: none"> • 6.0 • 7.0
Description: The alarm is raised when an OSPF interface neighbor is operationally Down.		
Raising condition: ('Operational State' NOT EQUAL 'full')		
Clearing condition: ('Operational State' EQUAL 'full')		
Remedial action: This alarm is raised when the OSPF interface neighbor is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 12-50 NeManagementAndTrapManagementMismatch

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

Table 12-51 NewSsh2ServerKeyDetected

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

Table 12-52 NodeDatabaseFallbackDetected

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

Table 12-53 NodeDatabaseMisalignmentDetected

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

Table 12-54 NodeRebooted

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

Table 12-55 NodeSuspended

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

Table 12-56 OrphanNodeDetected

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

Table 12-57 OspfInterfaceDown

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

Table 12-58 OverTemperatureDetected

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

Table 12-59 PartialResyncProblem

Alarm	Attributes	Applicable major NE releases
Name: PartialResyncProblem (4401) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: partialResyncProblem (1578)	<ul style="list-style-type: none"> • 6.0 • 7.0
Description: The alarm is raised when an Partial Resync on an NE fails. For example, when resyncing only some MIB entries as opposed to a full resync. The periodic reachability test (sysUpTime) is not considered a partial resync, neither is a full resync. However, a PartialResyncProblem alarm can only be reset by a FullResync.		
Raising condition: ('partialResyncStatus' EQUAL 'Partial Resync Failed')		

(1 of 2)

12 – Alcatel-Lucent 7701 CPAA alarms

Alarm	Attributes	Applicable major NE releases
Clearing condition: ('partialResyncStatus' EQUAL 'Partial Resync Done')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE.		

(2 of 2)

Table 12-60 PeerConnectionDown (bgp)

Alarm	Attributes	Applicable major NE releases
Name: PeerConnectionDown (2) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.Peer	Severity: critical Implicitly cleared: true Default probable cause: connectionDown (2)	<ul style="list-style-type: none"> • 6.0 • 7.0
Description: The alarm is raised when a BGP peer has a Connection State other than Established, and the Administrative State of the BGP peer is Up.		
Raising condition: (('Connection State' NOT EQUAL 'Established') AND ('Administrative State' EQUAL 'Up'))		
Clearing condition: (('Connection State' EQUAL 'Established') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: A mismatch in configuration may have occurred. Check the configuration of both peers to rule out a mismatched configuration.		

Table 12-61 PeerDown (bgp)

Alarm	Attributes	Applicable major NE releases
Name: PeerDown (1) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.Peer	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 6.0 • 7.0
Description: The alarm is raised when a BGP peer has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: The BGP peer entity is down - administratively disable the BGP peer and re-enable it. If toggling the administrative state does not solve the problem check that the physical interface and network connection to the far end peer are up and operational. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 12-62 PeerGroupDown (bgp)

Alarm	Attributes	Applicable major NE releases
Name: PeerGroupDown (5) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.PeerGroup	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> 6.0 7.0
Description: The alarm is raised when a BGP peer group has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: The BGP peer group is down - administratively disable the BGP peer group and re-enable it. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 12-63 PersistentIndexParametersMisconfigured

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

Table 12-64 PollerProblem

Alarm	Attributes	Applicable major NE releases
Name: PollerProblem (31) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: resyncFailed (24)	<ul style="list-style-type: none"> 6.0 7.0
Description: The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
Raising condition: ('Resync Status' EQUAL 'Full Resync Failed')		

(1 of 2)

12 – Alcatel-Lucent 7701 CPAA alarms

Alarm	Attributes	Applicable major NE releases
Clearing condition: ('Resync Status' EQUAL 'Full Resync Done')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

(2 of 2)

Table 12-65 PowerSupplyFailure

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

Table 12-66 PowerSupplyInputFeedDown

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

Table 12-67 PowerSupplyRemoved

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

Table 12-68 PrimaryImageBootFailure

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

Table 12-69 PrimaryPathLimitReached

Alarm	Attributes	Applicable major NE releases
Name: PrimaryPathLimitReached (457) Type: resourceAlarm (28) Package: equipment Raised on class: equipment.DaughterCard	Severity: warning Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> 7.0
Description: The alarm is raised when the Ingress Multicast Path Management primary path bandwidth limit is reached.		
Raising condition: (('Primary Path Limit Override' > '0') AND ('Primary Path In use' >= (1000 * 'Primary Path Limit Override'))"		
Clearing condition: (('Primary Path Limit Override' > '0') AND ('Primary Path In use' < (1000 * 'Primary Path Limit Override'))"		
Remedial action: Informational - The alarm is raised when the Ingress Multicast Path Management primary path bandwidth limit is reached. This can be remedied by modifying the primary path limit located at T1 Paths tab of the multicast bandwidth policy which assigned to the card, or increase the primary path limit override located at the Daughter Card tab under Daughter Card Slot form.		

Table 12-70 RadiusOperStatusDown

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

Table 12-71 ReachabilityProblem

Alarm	Attributes	Applicable major NE releases
Name: ReachabilityProblem (243) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ReachabilityTestFailed (176)	<ul style="list-style-type: none"> • 6.0 • 7.0
Description: The alarm is raised when an Mediation poll of the SysUpTimeAlarm object on an NE fails, for example, because of network congestion or because the NE is too busy to respond. The probable cause is an unreachable NE Mediation agent on the NE. By default, the 5620 SAM polls a managed NE every two minutes. If a poll fails, the alarm is raised. The 5620 SAM polls the NE two minutes after the first failure. If successive polls fail, the 5620 SAM raises the polling interval for the NE by two minutes after each failure to a maximum of 12 min. The polling interval remains at 12 min until the 5620 SAM receives a response from the NE. The alarm clears when the 5620 SAM receives a response from the NE, and the 5620 SAM GUI icon that represents the NE turns from red to green.		
Raising condition: ('SNMP Reachability' EQUAL 'Down')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 12-72 ReconfigFailure

Alarm	Attributes	Applicable major NE releases
Name: ReconfigFailure (1949) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: failedReconfig (937)	<ul style="list-style-type: none"> • 6.0 • 7.0
Description: This alarm is raised when the reconfig action failed.		
Raising condition: ('State' EQUAL 'Failed')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: ('State' NOT EQUAL 'Failed')		
Remedial action: Verify that the object is configured as expected.		

(2 of 2)

Table 12-73 RipDown

Alarm	Attributes	Applicable major NE releases
Name: RipDown (72) Type: ProtocolAlarm (1) Package: rip Raised on class: rip.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> 6.0 7.0
Description: The alarm is raised when a RIP site has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: The RIP Site is down while it is administratively up. Please check the node e.g, IOM is not shutdown or installed.		

Table 12-74 SaveConfigFailed

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

Table 12-75 ScheduledPollerProblem

Alarm	Attributes	Applicable major NE releases
Name: ScheduledPollerProblem (4386) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: scheduledResyncFailed (1569)	<ul style="list-style-type: none"> 6.0 7.0

(1 of 2)

12 – Alcatel-Lucent 7701 CPAA alarms

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
Raising condition: ('Scheduled Resync Status' EQUAL 'Scheduled Resync Failed')		
Clearing condition: ('Scheduled Resync Status' EQUAL 'Scheduled Resync Done')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

(2 of 2)

Table 12-76 SecondaryPathLimitReached

Alarm	Attributes	Applicable major NE releases
Name: SecondaryPathLimitReached (458) Type: resourceAlarm (28) Package: equipment Raised on class: equipment.DaughterCard	Severity: warning Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> 7.0
Description: The alarm is raised when the Ingress Multicast Path Management secondary path bandwidth limit is reached.		
Raising condition: (('Secondary Path Limit Override' > '0') AND ('Secondary Path In use' >= (1000 * 'Secondary Path Limit Override')))		
Clearing condition: (('Secondary Path Limit Override' > '0') AND ('Secondary Path In use' < (1000 * 'Secondary Path Limit Override')))		
Remedial action: Informational - The alarm is raised when the Ingress Multicast Path Management secondary path bandwidth limit is reached. This can be remedied by modifying the secondary path limit located at T1 Paths tab of the multicast bandwidth policy which assigned to the card, or increase the secondary path limit override located at the Daughter Card tab under Daughter Card Slot form.		

Table 12-77 StatsRetrieveFailed

Alarm	Attributes	Applicable major NE releases
Name: StatsRetrieveFailed (244) Type: configurationAlarm (11) Package: sw Raised on class: sw.AccountingStatsRetrievalManager	Severity: major Implicitly cleared: false Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> 6.0 7.0
Description: The alarm is raised when the 5620 SAM main or auxiliary server cannot transfer an accounting file from an NE.		
Raising condition: (('Stats Retrieval State' NOT EQUAL 'Success') AND ('Stats Retrieval State' NOT EQUAL 'Not Attempted'))		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy or otherwise cannot respond to the 5620 SAM main or auxiliary server.		

Table 12-78 SubscriberSystemNextHopUsageHigh

Alarm	Attributes	Applicable major NE releases
Name: SubscriberSystemNextHopUsageHigh (5157) Type: thresholdCrossed (6) Package: netw Raised on class: netw.NetworkElement	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> 6.0 7.0
Description: The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit.		
Raising condition: ('IP Next Hop Usage High' EQUAL 'true')		
Clearing condition: ('IP Next Hop Usage High' EQUAL 'false')		
Remedial action: The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit. There is no immediate effect, but when the usage actually hits the limit, new hosts will not get their managed routes.		

Table 12-79 TemperatureThresholdCrossed

Alarm	Attributes	Applicable major NE releases
Name: TemperatureThresholdCrossed (7) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Environment	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> 6.0 7.0
Description: The alarm is raised when a temperature crosses a threshold.		
Raising condition: ('temperatureThresholdCrossed' EQUAL 'true')		
Clearing condition: ('temperatureThresholdCrossed' EQUAL 'false')		
Remedial action: The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 12-80 TmnxEqPortEtherLoopDetected

Alarm	Attributes	Applicable major NE releases
Name: TmnxEqPortEtherLoopDetected (461) Type: portEtherLoopDetected (48) Package: ethernetEquipment Raised on class: ethernetEquipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> 6.0 7.0
Description: The alarm is raised when a device detects a physical loop on an Ethernet port.		
Raising condition: (('Down When Looped Status' EQUAL 'Loop Detected'))		

(1 of 2)

12 – Alcatel-Lucent 7701 CPAA alarms

Alarm	Attributes	Applicable major NE releases
Clearing condition: (('Down When Looped Status' EQUAL 'No Loop Detected'))		
Remedial action: An Ethernet port has been mis-cabled - please remove the loopback cable on the port.		

(2 of 2)

Table 12-81 TooManyCpaaForIsisLevel2

Alarm	Attributes	Applicable major NE releases
Name: TooManyCpaaForIsisLevel2 (384) Type: configurationAlarm (11) Package: topology Raised on class: topology.Cpaa	Severity: critical Implicitly cleared: true Default probable cause: tooManyCpaaForIsisLevel2 (288)	<ul style="list-style-type: none"> • 6.0 • 7.0
Description: The alarm is raised when there are too many 7701 CPAAs for IS-IS level 2.		
Raising condition: ('Too Many CPAAs (ISIS Level 2)' EQUAL 'true')		
Clearing condition: ('Too Many CPAAs (ISIS Level 2)' EQUAL 'false')		
Remedial action: Check the configuration of CPAA and make sure there is at most one CPAA configured for ISIS level 2 within an administrative domain.		

Table 12-82 TooManyCpaaPerOspfArea

Alarm	Attributes	Applicable major NE releases
Name: TooManyCpaaPerOspfArea (383) Type: configurationAlarm (11) Package: topology Raised on class: topology.Cpaa	Severity: critical Implicitly cleared: true Default probable cause: tooManyCpaaPerOspfArea (287)	<ul style="list-style-type: none"> • 6.0 • 7.0
Description: The alarm is raised when there are too many 7701 CPAAs for an OSPF area.		
Raising condition: ('Too Many CPAAs (OSPF Area)' EQUAL 'true')		
Clearing condition: ('Too Many CPAAs (OSPF Area)' EQUAL 'false')		
Remedial action: Check the configuration of CPAA and make sure there is at most one CPAA configured for an OSPF area within an administrative domain.		

Table 12-83 TooManyCpaaPerOspfV3Area

Alarm	Attributes	Applicable major NE releases
Name: TooManyCpaaPerOspfV3Area (4397) Type: configurationAlarm (11) Package: topology Raised on class: topology.Cpaa	Severity: critical Implicitly cleared: true Default probable cause: tooManyCpaaPerOspfV3Area (1574)	<ul style="list-style-type: none"> 6.0 7.0
Description: The alarm is raised when there are too many 7701 CPAA's for an OSPF area.		
Raising condition: ('Too Many CPAA's (OSPFv3 Area)' EQUAL 'true')		
Clearing condition: ('Too Many CPAA's (OSPFv3 Area)' EQUAL 'false')		
Remedial action: Check the configuration of CPAA and make sure there is at most one CPAA configured for an OSPFv3 area within an administrative domain.		

Table 12-84 TrapDestinationMisconfigured

Alarm	Attributes	Applicable major NE releases
Name: TrapDestinationMisconfigured (33) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: trapDestinationMisconfigured (26) Applicable probable causes: <ul style="list-style-type: none"> trapDestinationMisconfigured duplicateTrapLogId 	<ul style="list-style-type: none"> 6.0 7.0
Description: The alarm is raised when the 5620 SAM cannot be added to the NE's SNMP trap destinations.		
Raising condition: ('isTrapDestinationMisconfigured' EQUAL 'true')		
Clearing condition: ('isTrapDestinationMisconfigured' EQUAL 'false')		
Remedial action: A configuration error has been made which must be corrected. The SNMP trap destination on the NE must be configured to the IP address of the SAM server.		

Table 12-85 TrapReceivingFailure

Alarm	Attributes	Applicable major NE releases
Name: TrapReceivingFailure (1083) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: false Default probable cause: trapsWillNotBeSent (822)	<ul style="list-style-type: none"> 6.0 7.0
Description: This user-defined alarm is raised when the NE is unable to send traps because the NE configuration is one of the following: - The Management IP Selection is set to Out Of Band Only, the Primary Route Preference is set to In Band, and the Secondary Route Preference is set to None. - The Management IP Selection is set to In Band Only, the Primary Route Preference is set to Out Of Band, and the Secondary Route Preference is set to None.		

(1 of 2)

12 – Alcatel-Lucent 7701 CPAA alarms

Alarm	Attributes	Applicable major NE releases
Raising condition: (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
Clearing condition: (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND ('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND ('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'In Band Preferred')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band'))))		
Remedial action: A configuration error has been made which must be corrected. The configuration error must be corrected per the discussion in the description for this alarm.		

(2 of 2)

Table 12-86 TrapRoutePreferenceRedundancyMissing

Alarm	Attributes	Applicable major NE releases
Name: TrapRoutePreferenceRedundancyMissing (1084) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: trapsRedundancyMissing (823)	<ul style="list-style-type: none"> 6.0 7.0
Description: The user-defined alarm is raised when NE management redundancy is configured without trap route preference redundancy.		
Raising condition: (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
Clearing condition: (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Secondary Route Preference' NOT EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Secondary Route Preference' NOT EQUAL 'None'))))		
Remedial action: A configuration error has been made which must be corrected. The IP address of the standby SAM server must be configured on the NE in question.		

Table 12-87 UnidentifiedNode

Alarm	Attributes	Applicable major NE releases
Name: UnidentifiedNode (1922) Type: communicationsAlarm (4) Package: netw Raised on class: netw.DiscoveredNode	Severity: major Implicitly cleared: true Default probable cause: unidentifiedNode (922)	<ul style="list-style-type: none"> 6.0 7.0
Description: The alarm is raised when the node being discovered can not be properly identified.		
Raising condition: ('State' EQUAL 'Pending Identification')		
Clearing condition: ('State' NOT EQUAL 'Pending Identification')		
Remedial action: A configuration error has occurred that must be corrected. The eNodeB does not have a system name. The name can be configured by selecting the alarm, opening the associated properties form for the alarmed object and configuring the system name.		

Table 12-88 UnmanageFailed

Alarm	Attributes	Applicable major NE releases
Name: UnmanageFailed (300) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.NodeDiscoveryControl	Severity: warning Implicitly cleared: true Default probable cause: unableToDeleteNode (231)	<ul style="list-style-type: none"> 6.0 7.0
Description: The alarm is raised when an attempt to unmanage an NE fails.		
Raising condition: ('Site State' EQUAL 'unmanage failed')		
Clearing condition: ('Site State' NOT EQUAL 'unmanage failed')		
Remedial action: Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 12-89 unsupportedPortUsage

Alarm	Attributes	Applicable major NE releases
Name: unsupportedPortUsage (5184) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: warning Implicitly cleared: true Default probable cause: incompatiblePortUsage (2100)	<ul style="list-style-type: none"> 6.0 7.0
Description: The alarm is raised in case unsupported port type is configured		
Raising condition: (('portId' >= '1L') AND ('portId' <= '4L') AND ('specificCardType' EQUAL 'EASv2') AND (('Port Usage' EQUAL 'MPT-HC') OR ('Port Usage' EQUAL 'MPT-MC')))"		
Clearing condition: NOT (((('portId' >= '1L') AND ('portId' <= '4L') AND ('specificCardType' EQUAL 'EASv2') AND (('Port Usage' EQUAL 'MPT-HC') OR ('Port Usage' EQUAL 'MPT-MC')))))"		
Remedial action: This alarm indicates unsupported port usage. Port usage configured on the NE is not supported by SAM.		

Table 12-90 UpgradedBuildVersionMismatch

Alarm	Attributes	Applicable major NE releases
Name: UpgradedBuildVersionMismatch (174) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: upgradedImageNotBooted (137)	<ul style="list-style-type: none"> • 6.0 • 7.0
Description: The alarm is raised when the software version that an NE reports after a software upgrade does not match the version of the software used for the upgrade.		
Raising condition: ('upgradedBuildVersionMismatch' EQUAL 'true')		
Clearing condition: ('upgradedBuildVersionMismatch' EQUAL 'false')		
Remedial action: Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 12-91 upgradedCardAlarm

Alarm	Attributes	Applicable major NE releases
Name: upgradedCardAlarm (255) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: upgradedCard (194)	<ul style="list-style-type: none"> • 6.0 • 7.0
Description: The alarm is raised when the standby CPM is rebooted and operational after a software upgrade. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
Raising condition: ('operationalState' EQUAL 'Upgrade')		
Clearing condition: ('operationalState' EQUAL 'Up')		
Remedial action: Informational - no corrective action required.		

Table 12-92 VersionConfigRestoreFailed

Alarm	Attributes	Applicable major NE releases
Name: VersionConfigRestoreFailed (536) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: versionMismatch (405)	<ul style="list-style-type: none"> • 6.0 • 7.0
Description: The alarm is raised when the restore procedure on an NE fails because of a mismatch between the backup file set version and the NE software version.		
Raising condition: ('lastNmsVersionRestoreState' EQUAL 'Failure')		
Clearing condition: ('lastNmsVersionRestoreState' EQUAL 'Success')		
Remedial action: The backup files being restored do not match with the version of node software release. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

Table 12-93 WrongCpaaSoftwareVersion

Alarm	Attributes	Applicable major NE releases
Name: WrongCpaaSoftwareVersion (791) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: wrongCpaaSoftwareVersion (559)	<ul style="list-style-type: none"> • 6.0 • 7.0
Description: The alarm is raised when the 7701 CPAA software is the wrong version and requires an upgrade.		
Raising condition: (('Software Version' EQUAL '\TiMOS-B-3.0.Generic \') AND ('Chassis Type' EQUAL '7701 CPAA'))		
Clearing condition: (('Software Version' NOT EQUAL '\TiMOS-B-3.0.Generic \') AND ('Chassis Type' EQUAL '7701 CPAA'))		
Remedial action: The SW version of the CPAA must be upgraded to the version compatible with CPAM version.		

Table 12-94 XplError

Alarm	Attributes	Applicable major NE releases
Name: XplError (573) Type: hardwareAnomaly (55) Package: equipment Raised on class: equipment.DaughterCard	Severity: minor Implicitly cleared: true Default probable cause: xplError (443)	<ul style="list-style-type: none"> • 6.0 • 7.0
Description: The alarm is raised when an MDA reports persistent XPL Errors.		
Raising condition: ('Number Of Notifications' NOT EQUAL '0')		
Clearing condition: ('Number Of Notifications' EQUAL '0')		
Remedial action: Informational - if the condition persists then the MDA indicated in the alarm should be replaced.		

13 — Alcatel-Lucent 7705 SAR alarms



Note — Some alarms that the 5620 SAM can raise against this device may not be listed in this chapter. Associating alarms with specific NE types is an ongoing Alcatel-Lucent effort. If the 5620 SAM raises an alarm against this device type, and the alarm is not described in this chapter, see chapter 35 for information about the alarm.

Table 13-1 AccessInterfaceDown

Alarm	Attributes	Applicable major NE releases
Name: AccessInterfaceDown (249) Type: AccessInterfaceAlarm (32) Package: service Raised on class: service.AccessInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when an L2 or L3 interface operational state is Down. The alarm is not raised against an L2 access interface that is associated with an MC ring or MC LAG in the standby state.		
Raising condition: (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'Standby For MC-Ring') AND ('State Cause' NOT EQUAL 'Standby For MC-Lag') AND ('State Cause' NOT EQUAL 'Standby For BGP Multi-homing'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'Standby For MC-Ring') OR ('State Cause' EQUAL 'Standby For MC-Lag') OR ('State Cause' EQUAL 'Standby For BGP Multi-homing'))		
Remedial action: The condition exists because the physical interface is down either because it is administratively disabled, faulty or a cabling fault has occurred. Ensure that the interface is administratively up. Check for a poor cable connection to the port or for a faulty cable/fiber. If neither appears to be the problem run diagnostics on the port to determine if it is faulty.		

Table 13-2 ActiveAbnormalCondition

Alarm	Attributes	Applicable major NE releases
Name: ActiveAbnormalCondition (3938) Type: activeAbnormalConditionAlarm (116) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ActiveAbnormalConditionState (1520)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is an indication for abnormal condition on NE.		
Raising condition: ('abnormalCondition' EQUAL 'true')		
Clearing condition: ('abnormalCondition' EQUAL 'false')		
Remedial action: This alarm is raised when there is a abnormal state indication on NE.		

Table 13-3 AGWDiameterPeerDown

Alarm	Attributes	Applicable major NE releases
Name: AGWDiameterPeerDown (844) Type: EpcAlarm (59) Package: lte Raised on class: lte.AGWDiameterPeer	Severity: variable Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when the path management state of a Diameter peer changes to a state other than Up.		
Raising condition: ('Path Diameter Management State' NOT EQUAL 'Active')		
Clearing condition: ('Path Diameter Management State' EQUAL 'Active')		
Remedial action: A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

Table 13-4 AncillaryPathLimitReached

Alarm	Attributes	Applicable major NE releases
Name: AncillaryPathLimitReached (459) Type: resourceAlarm (28) Package: equipment Raised on class: equipment.DaughterCard	Severity: warning Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when the Ingress Multicast Path Management ancillary path bandwidth limit is reached.		
Raising condition: (('Ancillary Path Limit Override' > '0') AND ('Ancillary Path In use' >= (1000 * 'Ancillary Path Limit Override'))"		
Clearing condition: (('Ancillary Path Limit Override' > '0') AND ('Ancillary Path In use' < (1000 * 'Ancillary Path Limit Override'))"		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: Informational - The alarm is raised when the Ingress Multicast Path Management ancillary path bandwidth limit is reached. This can be remedied by modifying the ancillary path limit located at T1 Paths tab of the multicast bandwidth policy which assigned to the card, or increase the ancillary path limit override located at the Daughter Card tab under Daughter Card Slot form.		

(2 of 2)

Table 13-5 AreaTypeMismatch

Alarm	Attributes	Applicable major NE releases
Name: AreaTypeMismatch (38) Type: configurationAlarm (11) Package: ospf Raised on class: ospf.Area	Severity: warning Implicitly cleared: true Default probable cause: areaTypeMisconfigured (34)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when an OSPF area on one NE is configured as an NSSA and the same OSPF area on another NE is configured as a stub area.		
Raising condition: ('Type Mismatch' EQUAL 'true')		
Clearing condition: ('Type Mismatch' EQUAL 'false')		
Remedial action: A configuration error has been made which must be corrected. The OSPF area type configured for the NE does not match with the same OSPF area configured on another NE. Compare the configuration on the endpoint and correct the mismatch.		

Table 13-6 AsymmetricalConfig (multichassis)

Alarm	Attributes	Applicable major NE releases
Name: AsymmetricalConfig (295) Type: configurationAlarm (11) Package: multichassis Raised on classes: <ul style="list-style-type: none"> • multichassis.AbstractMultiChassisLag • multichassis.MultiChassisLagMember • multichassis.AbstractMultiChassisPeer 	Severity: major Implicitly cleared: true Default probable cause: asymmetricalConfig (226)	<ul style="list-style-type: none"> • 6.0 • 6.1
Description: The alarm is raised when there is a peer configuration mismatch that prevents MC operation.		
Raising condition: ('Config Mismatches' NOT EQUAL '0L')		
Clearing condition: ('Config Mismatches' EQUAL '0L')		
Remedial action: Check configurations on both members to see anything not matched.		

Table 13-7 AuthKeyConflict (rsvp)

Alarm	Attributes	Applicable major NE releases
Name: AuthKeyConflict (5188) Type: processingErrorAlarm (81) Package: rsvp Raised on class: rsvp.AuthenticationKey	Severity: warning Implicitly cleared: true Default probable cause: AuthKeyConflict (2103)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when both Authentication Key and RSVP Keychain are configured. RSVP Keychain will be used.		
Raising condition: (('RSVP Keychain' NOT EQUAL '\\"') AND ('enableAuthentication' EQUAL 'true'))		
Clearing condition: (('RSVP Keychain' EQUAL '\\"') OR ('enableAuthentication' NOT EQUAL 'true'))		
Remedial action: Authentication Key and RSVP Keychain are both configured. RSVP Keychain will be used. The alarm is cleared when only one is configured.		

Table 13-8 AuxiliaryServerStatus

Alarm	Attributes	Applicable major NE releases
Name: AuxiliaryServerStatus (311) Type: communicationsAlarm (4) Package: server Raised on class: server.AuxiliaryServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when a 5620 SAM main server cannot communicate with an auxiliary server. The alarm clears when communication is restored.		
Raising condition: ('Server Status' EQUAL 'Down')		
Clearing condition: ('Server Status' EQUAL 'Up')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the AUX and SAM servers is unreliable.		

Table 13-9 BerLineSignalDegradation

Alarm	Attributes	Applicable major NE releases
Name: BerLineSignalDegradation (88) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: berLineSignalDegradation (74)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when a SONET port reports a line signal degradation BER error. The alarm corresponds to the lb2er-sd alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'BER Line Signal Degradation') AND ('Report Alarms'anyBit'BER Line Signal Degradation'))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: NOT (((('Outstanding Alarms'anyBit'BER Line Signal Degradation') AND ('Report Alarms'anyBit'BER Line Signal Degradation'))))		
Remedial action: Informational only.		

(2 of 2)

Table 13-10 BerLineSignalFailure

Alarm	Attributes	Applicable major NE releases
Name: BerLineSignalFailure (89) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: berLineSignalFailure (75)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when a SONET port reports a line signal degradation BER error. The alarm corresponds to the lb2er-sf alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'BER Line Signal Failure') AND ('Report Alarms'anyBit'BER Line Signal Failure'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'BER Line Signal Failure') AND ('Report Alarms'anyBit'BER Line Signal Failure'))))		
Remedial action: Informational only.		

Table 13-11 BfdInterfaceConnectionBroken

Alarm	Attributes	Applicable major NE releases
Name: BfdInterfaceConnectionBroken (3329) Type: serviceAlarm (16) Package: vrrp Raised on class: vrrp.BfdInterface	Severity: minor Implicitly cleared: true Default probable cause: bfdSessionConnectionBroken (593)	<ul style="list-style-type: none"> • 6.0 • 6.1
Description: The alarm is raised when the BFD connection to a peer times out.		
Raising condition: ('Operational State' EQUAL 'Timed Out')		
Clearing condition: ('Operational State' NOT EQUAL 'Timed Out')		
Remedial action: Check the peer router, fix the BFD connection		

Table 13-12 BfdInterfaceConnectionDown

Alarm	Attributes	Applicable major NE releases
Name: BfdInterfaceConnectionDown (3330) Type: serviceAlarm (16) Package: vrrp Raised on class: vrrp.BfdInterface	Severity: minor Implicitly cleared: true Default probable cause: bfdSessionDown (346)	<ul style="list-style-type: none"> • 6.0 • 6.1
Description: The alarm is raised when the Operational State of a BFD session is Not Connected.		
Raising condition: ('Operational State' NOT EQUAL 'Operational')		
Clearing condition: ('Operational State' EQUAL 'Operational')		
Remedial action: Check the BFD interface configuration, fix the BFD connection		

Table 13-13 BfdInterfaceConnectionPeerDetectsDown

Alarm	Attributes	Applicable major NE releases
Name: BfdInterfaceConnectionPeerDetectsDown (3331) Type: serviceAlarm (16) Package: vrrp Raised on class: vrrp.BfdInterface	Severity: minor Implicitly cleared: true Default probable cause: bfdSessionConnectionPeerDetectsDown (594)	<ul style="list-style-type: none"> • 6.0 • 6.1
Description: The alarm is raised when a BFD peer detects a connection timeout.		
Raising condition: ('Operational State' EQUAL 'Down')		
Clearing condition: ('Operational State' NOT EQUAL 'Down')		
Remedial action: Fix the BFD connection		

Table 13-14 BgpDown

Alarm	Attributes	Applicable major NE releases
Name: BgpDown (6) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when a BGP instance has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: The BGP protocol entity is down - administratively disable BGP and re-enable. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 13-15 BITS2NotQualified

Alarm	Attributes	Applicable major NE releases
Name: BITS2NotQualified (1941) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: timingReferenceNotQualified (418)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when the BITS-2 timing reference on an NE is not in the Qualified state.		
Raising condition: (('Qualified For Use' EQUAL 'Not Qualified') AND ('Input Administrative State' NOT EQUAL 'Down'))		
Clearing condition: (('Qualified For Use' NOT EQUAL 'Not Qualified') OR ('Input Administrative State' EQUAL 'Down'))		
Remedial action: Make sure that BITS2 is qualified		

Table 13-16 BITSNotQualified

Alarm	Attributes	Applicable major NE releases
Name: BITSNotQualified (547) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: timingReferenceNotQualified (418)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when the BITS timing reference on an NE is not in the Qualified state.		
Raising condition: (('Qualified For Use' EQUAL 'Not Qualified') AND ('Output Administrative State' NOT EQUAL 'Down'))		
Clearing condition: (('Qualified For Use' NOT EQUAL 'Not Qualified') OR ('Output Administrative State' EQUAL 'Down'))		
Remedial action: Make sure that BITS is qualified		

Table 13-17 BITSReferenceLossOfSignal

Alarm	Attributes	Applicable major NE releases
Name: BITSReferenceLossOfSignal (1950) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: BITSReferenceLossOfSignal (938)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when the BITS reference on an NE is not qualified due to Loss of Signal.		
Raising condition: (('Not Qualified Due To'anyBit'LOS'))		
Clearing condition: NOT (((('Not Qualified Due To'anyBit'LOS'))))		
Remedial action: Make sure that peer connected to BITS is properly configured.		

Table 13-18 BITSReferenceOutOfFrequency

Alarm	Attributes	Applicable major NE releases
Name: BITSReferenceOutOfFrequency (1951) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: BITSReferenceOutOfFrequency (939)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when the BITS Reference on an NE is not qualified due to Out of frequency.		
Raising condition: (('Not Qualified Due To'anyBit'OOF'))		
Clearing condition: NOT (('Not Qualified Due To'anyBit'OOF'))		
Remedial action: Make sure that frequency configured for BITS is correct.		

Table 13-19 BITSReferenceOutOfPollInRange

Alarm	Attributes	Applicable major NE releases
Name: BITSReferenceOutOfPollInRange (1952) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: BITSReferenceOutOfPollInRange (940)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when the BITS Reference on an NE is not qualified state due to Out of poll in range.		
Raising condition: (('Not Qualified Due To'anyBit'OOPIR'))		
Clearing condition: NOT (('Not Qualified Due To'anyBit'OOPIR'))		
Remedial action: Check the BITS is configured correctly. Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary		

Table 13-20 BootableConfigBackupFailed

Alarm	Attributes	Applicable major NE releases
Name: BootableConfigBackupFailed (103) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when the 5620 SAM fails to back up a set of NE configuration files.		
Raising condition: ('Backup State' EQUAL 'Failure')		
Clearing condition: ('Backup State' EQUAL 'Success')		
Remedial action: Investigation is required to resolve the following possible scenarios: insufficient disk space is available to accommodate the NE configuration files (additional SAM platform alarms will accompany this alarm); the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

Table 13-21 BootableConfigRestoreFailed

Alarm	Attributes	Applicable major NE releases
Name: BootableConfigRestoreFailed (104) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when the 5620 SAM fails to restore a set of NE configuration files.		
Raising condition: ('Restore State' EQUAL 'Failure')		
Clearing condition: ('Restore State' EQUAL 'Success')		
Remedial action: Investigation is required to resolve the following possible scenarios: the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

Table 13-22 BootParametersMisconfigured

Alarm	Attributes	Applicable major NE releases
Name: BootParametersMisconfigured (35) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: persistentIndexFailure (30) Applicable probable causes: <ul style="list-style-type: none"> • persistentIndexFailure • configFileBootFailure 	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when the SNMP Index Boot Status on an NE is not set to Persistent.		
Raising condition: (('isGenericNode' EQUAL 'false') AND ('State' NOT EQUAL 'Pre-provisioned') AND (('Config File Status' NOT EQUAL 'Executed Successfully') OR ('Persistent Index Status' NOT EQUAL 'Rebuild Succeeded')))		
Clearing condition: (('Config File Status' EQUAL 'Executed Successfully') AND ('Persistent Index Status' EQUAL 'Rebuild Succeeded'))		
Remedial action: Ensure that "SNMP Index Boot Status" is persistent (using cli command "show system information" on the NE). If not, unmanage the network element from SAM, ensure that "persist on" is set in the bof file, save the bof, save a config file, verify that an index file (.ndx) is saved as well, reboot the router, verify that SNMP Index Boot Status is persistent and finally remanage the router from SAM.		

Table 13-23 BundleDown

Alarm	Attributes	Applicable major NE releases
Name: BundleDown (152) Type: equipmentAlarm (3) Package: bundle Raised on class: bundle.Interface	Severity: critical Implicitly cleared: true Default probable cause: bundleDown (128)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when the bundle Administrative State is Up and the Operational State is Down.		

(1 of 2)

13 – Alcatel-Lucent 7705 SAR alarms

Alarm	Attributes	Applicable major NE releases
Raising condition: (('Protection Type' EQUAL 'None') AND ('Administrative State' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up') AND ('specificCardType' NOT EQUAL '16 x E1 (ASAP)'))		
Clearing condition: (('Protection Type' NOT EQUAL 'None') OR ('operationalState' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: Informational - no corrective action required.		

(2 of 2)

Table 13-24 CesBfrOverrun

Alarm	Attributes	Applicable major NE releases
Name: CesBfrOverrun (448) Type: communicationsAlarm (4) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: major Implicitly cleared: true Default probable cause: bufferOverrun (322)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when the 5620 SAM detects a jitter buffer overrun.		
Raising condition: (('Report Alarm Status'anyBit'Buffer Overrun') AND ('Report Alarm'anyBit'Buffer Overrun'))		
Clearing condition: NOT (('Report Alarm Status'anyBit'Buffer Overrun') AND ('Report Alarm'anyBit'Buffer Overrun'))		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 13-25 CesBfrUnderrun

Alarm	Attributes	Applicable major NE releases
Name: CesBfrUnderrun (449) Type: communicationsAlarm (4) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: major Implicitly cleared: true Default probable cause: bufferOverrun (322)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when the 5620 SAM detects a jitter buffer underrun.		
Raising condition: (('Report Alarm Status'anyBit'Buffer Underrun') AND ('Report Alarm'anyBit'Buffer Underrun'))		
Clearing condition: NOT (('Report Alarm Status'anyBit'Buffer Underrun') AND ('Report Alarm'anyBit'Buffer Underrun'))		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 13-26 CesMalformedPkts

Alarm	Attributes	Applicable major NE releases
Name: CesMalformedPkts (446) Type: communicationsAlarm (4) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: major Implicitly cleared: true Default probable cause: malformedPackets (320)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when the 5620 SAM detects one or more malformed packets.		
Raising condition: (('Report Alarm Status'anyBit'Malformed Packets') AND ('Report Alarm'anyBit'Malformed Packets'))		
Clearing condition: NOT (((('Report Alarm Status'anyBit'Malformed Packets') AND ('Report Alarm'anyBit'Malformed Packets'))		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 13-27 CesPktLoss

Alarm	Attributes	Applicable major NE releases
Name: CesPktLoss (447) Type: communicationsAlarm (4) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: major Implicitly cleared: true Default probable cause: lossOfPacket (321)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when the 5620 SAM detects a packet loss.		
Raising condition: (('Report Alarm Status'anyBit'Packet Loss') AND ('Report Alarm'anyBit'Packet Loss'))		
Clearing condition: NOT (((('Report Alarm Status'anyBit'Packet Loss') AND ('Report Alarm'anyBit'Packet Loss'))		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 13-28 CesRmtPktLoss

Alarm	Attributes	Applicable major NE releases
Name: CesRmtPktLoss (450) Type: communicationsAlarm (4) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: minor Implicitly cleared: true Default probable cause: farEndLossOfPacket (323)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when the 5620 SAM detects a remote packet loss.		
Raising condition: (('Report Alarm Status'anyBit'Remote Packet Loss') AND ('Report Alarm'anyBit'Remote Packet Loss'))		
Clearing condition: NOT (((('Report Alarm Status'anyBit'Remote Packet Loss') AND ('Report Alarm'anyBit'Remote Packet Loss'))		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

13 – Alcatel-Lucent 7705 SAR alarms

Table 13-29 CesRmtRdi

Alarm	Attributes	Applicable major NE releases
Name: CesRmtRdi (452) Type: configurationAlarm (11) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: minor Implicitly cleared: false Default probable cause: farEndRdi (325)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when the 5620 SAM detects a remote RDI.		
Raising condition: (('Report Alarm Status'anyBit'Remote RDI') AND ('Report Alarm'anyBit'Remote RDI'))		
Clearing condition: NOT (((('Report Alarm Status'anyBit'Remote RDI') AND ('Report Alarm'anyBit'Remote RDI'))))		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 13-30 CesRmtTdmFault

Alarm	Attributes	Applicable major NE releases
Name: CesRmtTdmFault (451) Type: configurationAlarm (11) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: minor Implicitly cleared: false Default probable cause: tdmFarEndFault (324)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when the 5620 SAM detects a remote TDM fault.		
Raising condition: (('Report Alarm Status'anyBit'Remote TDM Fault') AND ('Report Alarm'anyBit'Remote TDM Fault'))		
Clearing condition: NOT (((('Report Alarm Status'anyBit'Remote TDM Fault') AND ('Report Alarm'anyBit'Remote TDM Fault'))))		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 13-31 CesStrayPkts

Alarm	Attributes	Applicable major NE releases
Name: CesStrayPkts (445) Type: communicationsAlarm (4) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: minor Implicitly cleared: true Default probable cause: strayPackets (319)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when the 5620 SAM detects received stray packets.		
Raising condition: (('Report Alarm Status'anyBit'Stray Packets') AND ('Report Alarm'anyBit'Stray Packets'))		
Clearing condition: NOT (((('Report Alarm Status'anyBit'Stray Packets') AND ('Report Alarm'anyBit'Stray Packets'))))		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 13-32 ClientDelegateServerStatus

Alarm	Attributes	Applicable major NE releases
Name: ClientDelegateServerStatus (731) Type: communicationsAlarm (4) Package: server Raised on class: server.ClientDelegateServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when a client delegate server is unreachable.		
Raising condition: ('Server Status' EQUAL 'Down')		
Clearing condition: ('Server Status' EQUAL 'Up')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the client delegate platform and SAM servers is unreliable or the client delegate server itself is unreliable.		

Table 13-33 ConcurrentSessionExceedsHigh

Alarm	Attributes	Applicable major NE releases
Name: ConcurrentSessionExceedsHigh (5401) Type: thresholdCrossed (6) Package: netw Raised on class: netw.NetworkElement	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> • 6.1
Description: This alarm is raised when the concurrent security session count exceeds its high watermark. Cleared when it reaches its low watermark again; the watermarks are derived from the limit specified in hi-water-mark and low-water-mark.		
Remedial action: This alarm is raised when the concurrent security session count exceeds its high watermark. Cleared when it reaches its low watermark again; the watermarks are derived from the limit specified in hi-water-mark and low-water-mark.		

Table 13-34 ConcurrentSessionExhausted

Alarm	Attributes	Applicable major NE releases
Name: ConcurrentSessionExhausted (5402) Type: thresholdCrossed (6) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> • 6.1
Description: This alarm is raised when the concurrent security session count reaches the system limit. The concurrent session limit can be read in 'Concurrent Active Session Limit'		
Remedial action: This alarm is raised when the concurrent security session count reaches the system limit. The concurrent session limit can be read in 'Concurrent Active Session Limit'		

Table 13-35 ContainingEquipmentAdministrativelyDown

Alarm	Attributes	Applicable major NE releases
Name: ContainingEquipmentAdministrativelyDown (466) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: minor Implicitly cleared: true Default probable cause: containingEquipmentAdministrativelyDown (330)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentAdministrativelyDown.		
Raising condition: (('Status' EQUAL 'Parent Admin Down') AND ('isTerminatable' EQUAL 'true'))		
Clearing condition: (('Status' NOT EQUAL 'Parent Admin Down') OR ('isTerminatable' NOT EQUAL 'true'))		
Remedial action: Informational - no corrective action required.		

Table 13-36 ContainingEquipmentMismatch

Alarm	Attributes	Applicable major NE releases
Name: ContainingEquipmentMismatch (464) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentMismatch (328)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentMismatch.		
Raising condition: (('Status' EQUAL 'Parent Type Mismatch') AND ('isTerminatable' EQUAL 'true'))		
Clearing condition: (('Status' NOT EQUAL 'Parent Type Mismatch') OR ('isTerminatable' NOT EQUAL 'true'))		
Remedial action: A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

Table 13-37 ContainingEquipmentOperationallyDown

Alarm	Attributes	Applicable major NE releases
Name: ContainingEquipmentOperationallyDown (465) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentDown (329)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentOperationallyDown.		
Raising condition: (('Status' EQUAL 'Parent Oper Down') AND ('isTerminatable' EQUAL 'true'))		
Clearing condition: (('Status' NOT EQUAL 'Parent Oper Down') OR ('isTerminatable' NOT EQUAL 'true'))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: The operational state of the equipment element indicated in the alarm is down. This may be due to the element's administrative state or it may indicate that the element has failed.		

(2 of 2)

Table 13-38 CorruptImageFile

Alarm	Attributes	Applicable major NE releases
Name: CorruptImageFile (171) Type: configurationAlarm (11) Package: mediation Raised on class: mediation.AbstractSoftwareFolderDescriptor	Severity: critical Implicitly cleared: true Default probable cause: invalidOrCorruptImageFile (134)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when one or more files in the 5620 SAM software image specified for a device software upgrade is invalid, corrupt or absent. The 5620 SAM validates a device software file set before it imports the file set and distributes it to an NE. Ensure that the file set downloads properly to the NE and is not tampered with before you re-attempt the upgrade. The alarm clears when a valid file set is on the NE and the 5620 SAM activates the software image in the file set.		
Raising condition: ('isImageValid' EQUAL 'false')		
Clearing condition: ('isImageValid' EQUAL 'true')		
Remedial action: The existing SW image in the SAM database should be replaced with an image that is known to be complete and valid.		

Table 13-39 DataChannelAlarmIndicationSignal

Alarm	Attributes	Applicable major NE releases
Name: DataChannelAlarmIndicationSignal (3944) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DataChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: alarmIndicationSignal (96)	<ul style="list-style-type: none"> • 5.0 • 6.0 • 6.1
Description: The alarm is raised when an NE reports that a data channel has an AIS alarm condition.		
Raising condition: (('Report Alarm Status'anyBit'Alarm Indication Signal') AND ('Report Alarm'anyBit'Alarm Indication Signal'))		
Clearing condition: NOT (((('Report Alarm Status'anyBit'Alarm Indication Signal') AND ('Report Alarm'anyBit'Alarm Indication Signal'))		
Remedial action: The Cpipe Service running on this CODIR VT card need fixing. Make the Cpipe error free.		

Table 13-40 DataChannelLossOfSignal

Alarm	Attributes	Applicable major NE releases
Name: DataChannelLossOfSignal (3946) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DataChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: lossOfSignal (99)	<ul style="list-style-type: none"> • 5.0 • 6.0 • 6.1
Description: The alarm is raised when an NE reports that a data channel has an LOS condition.		
Raising condition: (('Report Alarm Status'anyBit'Loss Of Signal') AND ('Report Alarm'anyBit'Loss Of Signal'))		
Clearing condition: NOT (((('Report Alarm Status'anyBit'Loss Of Signal') AND ('Report Alarm'anyBit'Loss Of Signal'))		
Remedial action: The Cpipe Service running on this VT card need fixing. Make the Cpipe error free.		

Table 13-41 DataChannelRemoteAlarmIndication

Alarm	Attributes	Applicable major NE releases
Name: DataChannelRemoteAlarmIndication (3947) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DataChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: remoteAlarmIndication (574)	<ul style="list-style-type: none"> • 5.0 • 6.0 • 6.1
Description: The alarm is raised when an NE reports that a data channel has an RAI condition.		
Raising condition: (('Report Alarm Status'anyBit'Remote Alarm Indication') AND ('Report Alarm'anyBit'Remote Alarm Indication'))		
Clearing condition: NOT (((('Report Alarm Status'anyBit'Remote Alarm Indication') AND ('Report Alarm'anyBit'Remote Alarm Indication'))		
Remedial action: The Cpipe Service running on this TPIF VT card need fixing. Make the Cpipe error free.		

Table 13-42 DDMAux1HighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMAux1HighAlarm (495) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: aux1HighAlarm (381)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when the manufacturer-specific Auxiliary 1 of the XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux1 High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux1 High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 13-43 DDMAux1HighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMAux1HighWarning (494) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: aux1HighWarning (380)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when the manufacturer-specific Auxiliary 1 of the XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux1 High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux1 High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 13-44 DDMAux1LowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMAux1LowAlarm (493) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: aux1LowAlarm (379)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when the manufacturer-specific Auxiliary 1 of the XFP reaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux1 Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux1 Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 13-45 DDMAux1LowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMAux1LowWarning (492) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: aux1LowWarning (378)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when the manufacturer-specific Auxiliary 1 of the XFP approaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux1 Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux1 Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 13-46 DDMAux2HighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMAux2HighAlarm (499) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: aux2HighAlarm (385)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when the manufacturer-specific Auxiliary 2 of the XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux2 High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux2 High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 13-47 DDMAux2HighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMAux2HighWarning (498) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: aux2HighWarning (384)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when the manufacturer-specific Auxiliary 2 of the XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux2 High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux2 High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 13-48 DDMAux2LowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMAux2LowAlarm (497) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: aux2LowAlarm (383)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when the manufacturer-specific Auxiliary 2 of the XFP reaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux2 Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux2 Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 13-49 DDMAux2LowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMAux2LowWarning (496) Type: communicatiothresholdAlarmnsAlarm (50) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: aux2LowWarning (382)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when the manufacturer-specific Auxiliary 2 of the XFP approaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux2 Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux2 Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 13-50 DDMRxOpticalPowerHighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMRxOpticalPowerHighAlarm (491) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: rxOpticalPowerHighAlarm (377)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when the received optical power of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Rx Optical Power High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Rx Optical Power High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 13-51 DDMRxOpticalPowerHighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMRxOpticalPowerHighWarning (490) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: rxOpticalPowerHighWarning (376)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when the received optical power of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Rx Optical Power High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Rx Optical Power High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 13-52 DDMRxOpticalPowerLowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMRxOpticalPowerLowAlarm (489) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: rxOpticalPowerLowAlarm (375)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when the received optical power of an SFP or XFP reaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBit'Rx Optical Power Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Rx Optical Power Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 13-53 DDMRxOpticalPowerLowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMRxOpticalPowerLowWarning (488) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: rxOpticalPowerLowWarning (374)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when the received optical power of an SFP or XFP approaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBit'Rx Optical Power Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Rx Optical Power Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 13-54 DDMSupplyVoltageHighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMSupplyVoltageHighAlarm (479) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: supplyVoltageHighAlarm (365)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when the supply voltage of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Supply Voltage High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Supply Voltage High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 13-55 DDMSupplyVoltageHighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMSupplyVoltageHighWarning (478) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: supplyVoltageHighWarning (364)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when the supply voltage of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Supply Voltage High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Supply Voltage High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 13-56 DDMSupplyVoltageLowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMSupplyVoltageLowAlarm (477) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: supplyVoltageLowAlarm (363)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when the supply voltage of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Supply Voltage Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Supply Voltage Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 13-57 DDMSupplyVoltageLowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMSupplyVoltageLowWarning (476) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: supplyVoltageLowWarning (362)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when the supply voltage of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Supply Voltage Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Supply Voltage Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 13-58 DDMTemperatureHighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTemperatureHighAlarm (475) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: temperatureHighAlarm (361)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when the temperature of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Temperature High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Temperature High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 13-59 DDMTemperatureHighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTemperatureHighWarning (474) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: temperatureHighWarning (360)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when the temperature of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Temperature High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Temperature High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 13-60 DDMTemperatureLowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTemperatureLowAlarm (473) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: temperatureLowAlarm (359)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when the temperature of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Temperature Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Temperature Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 13-61 DDMTemperatureLowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTemperatureLowWarning (472) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: temperatureLowWarning (358)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when the temperature of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Temperature Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Temperature Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 13-62 DDMTxBiasCurrentHighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTxBiasCurrentHighAlarm (483) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: txBiasCurrentHighAlarm (369)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when the transmit bias current of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Bias Current High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Bias Current High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 13-63 DDMTxBiasCurrentHighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTxBiasCurrentHighWarning (482) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: txBiasCurrentHighWarning (368)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when the transmit bias current of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Bias Current High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Bias Current High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 13-64 DDMTxBiasCurrentLowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTxBiasCurrentLowAlarm (481) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: txBiasCurrentLowAlarm (367)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when the transmit bias current of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Bias Current Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Bias Current Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 13-65 DDMTxBiasCurrentLowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTxBiasCurrentLowWarning (480) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: txBiasCurrentLowWarning (366)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when the transmit bias current of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Bias Current Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Bias Current Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 13-66 DDMTxOutputPowerHighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTxOutputPowerHighAlarm (487) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: txOutputPowerHighAlarm (373)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when the output power of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Output Power High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Output Power High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 13-67 DDMTxOutputPowerHighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTxOutputPowerHighWarning (486) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: txOutputPowerHighWarning (372)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when the output power of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Output Power High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Output Power High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 13-68 DDMTxOutputPowerLowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTxOutputPowerLowAlarm (485) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: txOutputPowerLowAlarm (371)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when the output power of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Output Power Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Output Power Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 13-69 DDMTxOutputPowerLowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTxOutputPowerLowWarning (484) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: txOutputPowerLowWarning (370)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when the output power of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Output Power Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Output Power Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 13-70 downgradedCardAlarm

Alarm	Attributes	Applicable major NE releases
Name: downgradedCardAlarm (256) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: downgradedCard (195)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when an IOM is not upgraded or reset after a device software upgrade of both CPMs. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
Raising condition: ('operationalState' EQUAL 'Downgrade')		
Clearing condition: ('operationalState' EQUAL 'Up')		
Remedial action: Informational - no corrective action required.		

Table 13-71 DS1E1AlarmIndicationSignal

Alarm	Attributes	Applicable major NE releases
Name: DS1E1AlarmIndicationSignal (112) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: alarmIndicationSignal (96)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when an NE reports that a specific DS1 or E1 channel has an AIS alarm condition.		
Raising condition: (('Outstanding Alarms'anyBit'Alarm Indication Signal') AND ('Report Alarms'anyBit'Alarm Indication Signal'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Alarm Indication Signal') AND ('Report Alarms'anyBit'Alarm Indication Signal'))))		
Remedial action: Informational only.		

Table 13-72 DS1E1Looped

Alarm	Attributes	Applicable major NE releases
Name: DS1E1Looped (126) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: farEndLoopback (102)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when an NE reports that a specific DS1 or E1 channel has a remote loopback alarm condition.		
Raising condition: (('Outstanding Alarms'anyBit'Far end wants the near end to loopback') AND ('Report Alarms'anyBit'Far end wants the near end to loopback'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Far end wants the near end to loopback') AND ('Report Alarms'anyBit'Far end wants the near end to loopback'))))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: Informational only.		

(2 of 2)

Table 13-73 DS1E1LossOfSignal

Alarm	Attributes	Applicable major NE releases
Name: DS1E1LossOfSignal (124) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: lossOfSignal (99)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when an NE reports that a specific DS1 or E1 channel has an LOS alarm condition.		
Raising condition: (('Outstanding Alarms'anyBit'Loss of Signal') AND ('Report Alarms'anyBit'Loss of Signal'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'Loss of Signal') AND ('Report Alarms'anyBit'Loss of Signal'))		
Remedial action: Informational only.		

Table 13-74 DS1E1OutOfFrame

Alarm	Attributes	Applicable major NE releases
Name: DS1E1OutOfFrame (125) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: outOfFrame (100)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when an NE reports that a specific DS1 or E1 channel has an OOF alarm condition.		
Raising condition: (('Outstanding Alarms'anyBit'Out Of Frame') AND ('Report Alarms'anyBit'Out Of Frame'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'Out Of Frame') AND ('Report Alarms'anyBit'Out Of Frame'))		
Remedial action: Informational only.		

Table 13-75 DS1E1ResourceAvailabilityIndicator

Alarm	Attributes	Applicable major NE releases
Name: DS1E1ResourceAvailabilityIndicator (114) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: resourceAvailabilityIndicator (98)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1

(1 of 2)

13 – Alcatel-Lucent 7705 SAR alarms

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when an NE reports that a specific DS1 or E1 channel has an RAI alarm condition.		
Raising condition: (('Outstanding Alarms'anyBit'Resource Availability Indicator') AND ('Report Alarms'anyBit'Resource Availability Indicator'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Resource Availability Indicator') AND ('Report Alarms'anyBit'Resource Availability Indicator'))))		
Remedial action: Informational only.		

(2 of 2)

Table 13-76 DS1E1SignalDegradation

Alarm	Attributes	Applicable major NE releases
Name: DS1E1SignalDegradation (500) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: signalDegradation (386)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when an NE reports that a specific DS1 or E1 channel has an SD alarm condition.		
Raising condition: (('Outstanding Alarms'anyBit'Signal Degradation') AND ('Report Alarms'anyBit'Signal Degradation'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Signal Degradation') AND ('Report Alarms'anyBit'Signal Degradation'))))		
Remedial action: Informational only.		

Table 13-77 DS1E1SignalFailure

Alarm	Attributes	Applicable major NE releases
Name: DS1E1SignalFailure (501) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: signalFailure (387)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when an NE reports that a specific DS1 or E1 channel has an SF alarm condition.		
Raising condition: (('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))))		
Remedial action: Informational only.		

Table 13-78 DS3E3AlarmIndicationSignal

Alarm	Attributes	Applicable major NE releases
Name: DS3E3AlarmIndicationSignal (115) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS3E3ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: alarmIndicationSignal (96)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when an NE reports that a specific DS3 or E3 channel has an AIS alarm condition.		
Raising condition: (('Outstanding Alarms'anyBit'Alarm Indication Signal') AND ('Report Alarms'anyBit'Alarm Indication Signal'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Alarm Indication Signal') AND ('Report Alarms'anyBit'Alarm Indication Signal'))))		
Remedial action: Informational only.		

Table 13-79 DS3E3Looped

Alarm	Attributes	Applicable major NE releases
Name: DS3E3Looped (120) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS3E3ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: farEndLoopback (102)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when an NE reports that a specific DS3 or E3 channel has a remote loopback alarm condition.		
Raising condition: (('Outstanding Alarms'anyBit'Far end wants the near end to loopback') AND ('Report Alarms'anyBit'Far end wants the near end to loopback'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Far end wants the near end to loopback') AND ('Report Alarms'anyBit'Far end wants the near end to loopback'))))		
Remedial action: Informational only.		

Table 13-80 DS3E3LossOfSignal

Alarm	Attributes	Applicable major NE releases
Name: DS3E3LossOfSignal (116) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS3E3ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: lossOfSignal (99)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when an NE reports that a specific DS3 or E3 channel has an LOS alarm condition.		
Raising condition: (('Outstanding Alarms'anyBit'Loss of Signal') AND ('Report Alarms'anyBit'Loss of Signal'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Loss of Signal') AND ('Report Alarms'anyBit'Loss of Signal'))))		

(1 of 2)

13 – Alcatel-Lucent 7705 SAR alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: Informational only.		

(2 of 2)

Table 13-81 DS3E3OutOfFrame

Alarm	Attributes	Applicable major NE releases
Name: DS3E3OutOfFrame (117) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS3E3ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: outOfFrame (100)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when an NE reports that a specific DS3 or E3 channel has an OOF alarm condition.		
Raising condition: (('Outstanding Alarms'anyBit'Out Of Frame') AND ('Report Alarms'anyBit'Out Of Frame'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Out Of Frame') AND ('Report Alarms'anyBit'Out Of Frame'))))		
Remedial action: Informational only.		

Table 13-82 DS3E3ResourceAvailability

Alarm	Attributes	Applicable major NE releases
Name: DS3E3ResourceAvailability (119) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS3E3ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: resourceAvailabilityIndicator (98)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when an NE reports that a specific DS3 or E3 channel has an RAI alarm condition.		
Raising condition: (('Outstanding Alarms'anyBit'Resource Availability Indicator') AND ('Report Alarms'anyBit'Resource Availability Indicator'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Resource Availability Indicator') AND ('Report Alarms'anyBit'Resource Availability Indicator'))))		
Remedial action: Informational only.		

Table 13-83 EfmOamAlarm

Alarm	Attributes	Applicable major NE releases
Name: EfmOamAlarm (4617) Type: equipmentAlarm (3) Package: ethernetEquipment Raised on class: ethernetEquipment.Dot3Oam	Severity: minor Implicitly cleared: true Default probable cause: EFMOperationalStateOutOfService (1886)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when EFM Ignore status is Enabled, and Physical port Administrative State is Down.		
Raising condition: ('Ignore EFM State' EQUAL 'true')		
Clearing condition: ('Ignore EFM State' EQUAL 'true')		
Remedial action: The alarm is raised when EFM Ignore status is Enabled, and Physical port Administrative State is Down.		

Table 13-84 EquipmentAdministrativelyDown

Alarm	Attributes	Applicable major NE releases
Name: EquipmentAdministrativelyDown (455) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: minor Implicitly cleared: true Default probable cause: equipmentAdministrativelyDown (326)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentAdministrativelyDown.		
Raising condition: ('compositeEquipmentState' EQUAL 'Admin Down')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Admin Down')		
Remedial action: Informational - no corrective action required.		

Table 13-85 EquipmentDegraded

Alarm	Attributes	Applicable major NE releases
Name: EquipmentDegraded (604) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: minor Implicitly cleared: true Default probable cause: singleFanFailure (450)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when a single fan fails. The chassis attempts to continue operating within the normal temperature range using only the remaining fans.		
Raising condition: ('Device State' EQUAL 'MinorFailure')		
Clearing condition: ('Device State' NOT EQUAL 'MinorFailure')		
Remedial action: The failed fan unit should be replaced.		

Table 13-86 EquipmentDown

Alarm	Attributes	Applicable major NE releases
Name: EquipmentDown (10) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: inoperableEquipment (8)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentOperationallyDown.		
Raising condition: ('compositeEquipmentState' EQUAL 'Oper Down')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Oper Down')		
Remedial action: This alarm indicates that a card in the NE has failed. The card must be replaced.		

Table 13-87 EquipmentFailure

Alarm	Attributes	Applicable major NE releases
Name: EquipmentFailure (145) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.ReplaceableUnit	Severity: critical Implicitly cleared: true Default probable cause: cardFailure (123)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when a control processor or power-supply tray reports a failure. When the object type is ControlProcessor, a CPM may be unable to boot. When the object type is Power Supply Tray and the alarm is raised during device discovery, a power-supply tray may be out of service. When the object type is a Power Supply Tray and the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
Raising condition: ('operationalState' EQUAL 'Failed')		
Clearing condition: ('operationalState' NOT EQUAL 'Failed')		
Remedial action: If the alarm indicates that the CPM card has a fault, remove the card and reset it. If this does not clear the alarm then please contact Alcatel-Lucent support for assistance. If the alarm indicates that the Power Supply tray is out of service ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 13-88 EquipmentInTest

Alarm	Attributes	Applicable major NE releases
Name: EquipmentInTest (11) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: warning Implicitly cleared: true Default probable cause: equipmentInTest (9)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when equipment enters a diagnostic state.		
Raising condition: ('compositeEquipmentState' EQUAL 'In Test')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'In Test')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: Informational - no corrective action required.		

(2 of 2)

Table 13-89 EquipmentMismatch

Alarm	Attributes	Applicable major NE releases
Name: EquipmentMismatch (9) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: equipmentTypeMismatch (7)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMismatch.		
Raising condition: ('compositeEquipmentState' EQUAL 'Type Mismatch')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Type Mismatch')		
Remedial action: A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

Table 13-90 EquipmentRemoved

Alarm	Attributes	Applicable major NE releases
Name: EquipmentRemoved (8) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: replaceableEquipmentRemoved (6)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMissing.		
Raising condition: (('compositeEquipmentState' EQUAL 'Removed') AND ('isEquipmentInserted' EQUAL 'true'))		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Removed')		
Remedial action: Informational - this alarm is raised when a card is removed.		

Table 13-91 EthernetPortConfiguredLoopback

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortConfiguredLoopback (801) Type: configurationAlarm (11) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: warning Implicitly cleared: true Default probable cause: ethernetPortConfiguredLoopback (567)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1

(1 of 2)

13 – Alcatel-Lucent 7705 SAR alarms

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when a timed loopback is in effect for an Ethernet port.		
Raising condition: (('Type' NOT EQUAL 'None'))		
Clearing condition: (('Type' EQUAL 'None'))		
Remedial action: This alarm has been raised by the node because "Timed Loopback" option of the specific port's Ethernet property has been enabled. To resolve this problem from "Ethernet" tab of "Physical Port" properties form configure "Timed Loopback" Type property as "None".		

(2 of 2)

Table 13-92 EthernetPortDuplicateLane

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortDuplicateLane (3557) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: DuplicateLane (1387)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when a device reports a Duplicate Lane on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 13-93 EthernetPortHighBer

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortHighBer (307) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when a device reports a high bit-error rate on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))		
Remedial action: One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 13-94 EthernetPortLocalFault

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortLocalFault (305) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: LocalFault (236)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when a device reports a local fault on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))		
Remedial action: One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 13-95 EthernetPortNoAmLock

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortNoAmLock (3558) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoAmLock (1388)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when a device reports a No Am Lock on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 13-96 EthernetPortNoBlockLock

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortNoBlockLock (3559) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoBlockLock (1389)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when a device reports a No Block Lock on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock'))		

(1 of 2)

13 – Alcatel-Lucent 7705 SAR alarms

Alarm	Attributes	Applicable major NE releases
Clearing condition: NOT (((('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock'))))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

(2 of 2)

Table 13-97 EthernetPortNoFrameLock

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortNoFrameLock (306) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoFrameLock (237)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when a device reports No Frame Lock on an Ethernet port.		
Raising condition: ((('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock')))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock'))))		
Remedial action: One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 13-98 EthernetPortRemoteFault

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortRemoteFault (304) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: RemoteFault (235)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when a device reports a remote fault on an Ethernet port.		
Raising condition: ((('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault')))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault'))))		
Remedial action: One of the following conditions exists on the remote physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 13-99 EthernetPortSignalFailure

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortSignalFailure (303) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: SignalFailure (234)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when a device reports a signal failure on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))))		
Remedial action: One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 13-100 ExternalTimingReferenceNotQualified

Alarm	Attributes	Applicable major NE releases
Name: ExternalTimingReferenceNotQualified (548) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: timingReferenceNotQualified (418)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when the External timing reference on an NE is not in the Qualified state.		
Raising condition: (('Qualified For Use' EQUAL 'Not Qualified') AND ('Administrative State' NOT EQUAL 'Down'))		
Clearing condition: (('Qualified For Use' NOT EQUAL 'Not Qualified') OR ('Administrative State' EQUAL 'Down'))		
Remedial action: Informational		

Table 13-101 FanFailure

Alarm	Attributes	Applicable major NE releases
Name: FanFailure (624) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: fanFailure (116)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when the associated fan is not operationally Up.		
Raising condition: (('Device State' EQUAL 'Failed') OR ('Device State' EQUAL 'Unknown') OR ('Device State' EQUAL 'OutOfservice'))		
Clearing condition: ('Device State' EQUAL 'OK')		
Remedial action: Remove and reset the fan unit. If this does not resolve the problem replace the fan.		

Table 13-102 FanTrayRemoved

Alarm	Attributes	Applicable major NE releases
Name: FanTrayRemoved (569) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: FanTrayRemoved (438)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when the deviceState attribute has a value of deviceNotEquipped.		
Raising condition: ('Device State' EQUAL 'Not Equipped')		
Clearing condition: ('Device State' NOT EQUAL 'Not Equipped')		
Remedial action: Informational - a fan tray has been removed from the NE.		

Table 13-103 ForwardingTableSizeLimitReached

Alarm	Attributes	Applicable major NE releases
Name: ForwardingTableSizeLimitReached (164) Type: resourceAlarm (28) Package: I2fwd Raised on class: I2fwd.SiteFib	Severity: major Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when the number of MAC address entries in the FIB reaches or exceeds the VPLS site high watermark specified by I2fwd.SiteFib.highWatermark. The alarm clears when the number of MAC address entries in the FIB drops below the VPLS site low watermark specified by I2fwd.SiteFib.lowWatermark. The alarm can be raised against a VPLS site, L2 access interface, or spoke SDP binding.		
Raising condition: (('Entries' >= 'Size') OR ('Entries' >= (('High Watermark' * 'Size') / 100.0)))		
Clearing condition: (('Entries' < 'Size') AND (('High Watermark' EQUAL '0L') OR ('Entries' < (('Low Watermark' * 'Size') / 100.0))) AND (('Low Watermark' EQUAL '0L') OR ('Entries' < (('Low Watermark' * 'Size') / 100.0)))		
Remedial action: Informational		

Table 13-104 FrameSizeProblem (netw)

Alarm	Attributes	Applicable major NE releases
Name: FrameSizeProblem (37) Type: configurationAlarm (11) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: frameSizeProblem (33)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when a provisioned MTU size value is greater than the supported MTU size value.		
Raising condition: (('mtuMismatch' EQUAL 'true') AND ('portId' NOT EQUAL '0L'))		
Clearing condition: (('mtuMismatch' EQUAL 'false') OR ('portId' EQUAL '0L'))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: A configuration error has been made which must be corrected. The MTU value must be changed such that is less than or equal to the supported MTU size value.		

(2 of 2)

Table 13-105 FrameSizeProblem (svt)

Alarm	Attributes	Applicable major NE releases
Name: FrameSizeProblem (37) Type: configurationAlarm (11) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: frameSizeProblem (33)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when a provisioned MTU size value is greater than the supported MTU size value.		
Raising condition: (('Operational State' EQUAL 'MTU Mismatch') OR ('Operational State' EQUAL 'Tunnel MTU Too Small'))		
Clearing condition: (('Operational State' NOT EQUAL 'MTU Mismatch') AND ('Operational State' NOT EQUAL 'Tunnel MTU Too Small'))		
Remedial action: The MTU value must be changed such that is is less than or equal to the supported MTU size value.		

Table 13-106 GaPeerDown

Alarm	Attributes	Applicable major NE releases
Name: GaPeerDown (3303) Type: EpcAlarm (59) Package: Iteggnsn Raised on class: Iteggnsn.GaPeer	Severity: major Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when the path management state of a Ga peer changes to a state other than Up.		
Raising condition: ('Path Management State' NOT EQUAL 'Active')		
Clearing condition: ('Path Management State' EQUAL 'Active')		
Remedial action: A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

Table 13-107 GroupDown

Alarm	Attributes	Applicable major NE releases
Name: GroupDown (69) Type: ProtocolAlarm (1) Package: rip Raised on class: rip.Group	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 6.0 • 6.1
Description: The alarm is raised when a RIP group has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
Clearing condition: (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
Remedial action: The RIP Group is down while it is administratively up. Please check RIP related configuration e.g., the RIP is not shutdown.		

Table 13-108 IgmpDown

Alarm	Attributes	Applicable major NE releases
Name: IgmpDown (158) Type: ProtocolAlarm (1) Package: igmp Raised on class: igmp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 6.0 • 6.1
Description: The alarm is raised when an IGMP site has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: While configured under VPRN, check if VPRN site is admin down, or if route distinguisher is not configured.		

Table 13-109 IncompleteConfig (multichassis)

Alarm	Attributes	Applicable major NE releases
Name: IncompleteConfig (294) Type: configurationAlarm (11) Package: multichassis Raised on classes: <ul style="list-style-type: none"> • multichassis.MultiChassisSync • multichassis.MultiChassisLagMember 	Severity: major Implicitly cleared: true Default probable cause: incompleteConfig (225)	<ul style="list-style-type: none"> • 6.0 • 6.1
Description: The alarm is raised when a peer configuration cannot be found on the peer NE.		
Raising condition: ('mLagPointer' EQUAL '\')		
Clearing condition: ('mLagPointer' NOT EQUAL '\')		
Remedial action: Configure the missing peered object.		

Table 13-110 IncompleteConfiguration

Alarm	Attributes	Applicable major NE releases
Name: IncompleteConfiguration (1942) Type: operationalViolation (93) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: incompleteConfig (225)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when a pre-provisioned NE has no objects configured beneath it.		
Raising condition: (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' EQUAL '\'))		
Clearing condition: (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' NOT EQUAL '\'))		
Remedial action: A configuration error has been made which must be corrected. The configuration of the pre-provisioned NE is incomplete. A work order was not associated with the pre-provisioned NE and as a consequence the attempt to auto-configure the NE failed.		

Table 13-111 IncorrectNeighborConfig

Alarm	Attributes	Applicable major NE releases
Name: IncorrectNeighborConfig (609) Type: configurationAlarm (11) Package: aps Raised on class: aps.ApsGroup	Severity: major Implicitly cleared: true Default probable cause: incorrectNeighborConfig (452)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when the peer does not exist or the neighbor address does not point to a network interface on the NE that contains the peer object.		
Raising condition: (('Type' EQUAL 'MultiChassis') AND ('Neighbor match' EQUAL 'false'))		
Clearing condition: (('Type' EQUAL 'SingleChassis') OR ('Neighbor match' EQUAL 'true'))		
Remedial action: Make sure a peer exist and the neighbor address points to a network interface on the NE that contains the peer object.		

Table 13-112 IncorrectPeerConfig

Alarm	Attributes	Applicable major NE releases
Name: IncorrectPeerConfig (779) Type: configurationAlarm (11) Package: multichassis Raised on class: multichassis.AbstractPeer	Severity: major Implicitly cleared: true Default probable cause: IncorrectPeerConfig (554)	<ul style="list-style-type: none"> • 6.0 • 6.1
Description: The alarm is raised when an MC peer does not exist, or when an MC peer exists but the peer address is not the address of a network interface on the peer.		
Raising condition: ('peerMatchFound' EQUAL 'false')		
Clearing condition: ('peerMatchFound' EQUAL 'true')		
Remedial action: The peer configuration cannot be found on the peer NE. Either delete this one, or create the missing peer object.		

Table 13-113 InstanceDown (vrrp)

Alarm	Attributes	Applicable major NE releases
Name: InstanceDown (284) Type: configurationAlarm (11) Package: vrrp Raised on class: vrrp.AbstractInstance	Severity: major Implicitly cleared: true Default probable cause: instanceDown (216)	<ul style="list-style-type: none"> • 6.0 • 6.1
Description: The alarm is raised when the 5620 SAM detects that a VRRP instance is operationally down.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: Check the instance configuration		

Table 13-114 InterfaceDown (netw)

Alarm	Attributes	Applicable major NE releases
Name: InterfaceDown (36) Type: InterfaceAlarm (13) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when an interface or underlying resource fails, as indicated by an interface compositeState attribute value of failed or underlyingResourceFailed.		
Raising condition: (('compositeState' EQUAL 'Inoperable') OR ('compositeState' EQUAL 'Underlying Resource Inoperable'))		
Clearing condition: (('compositeState' NOT EQUAL 'Inoperable') AND ('compositeState' NOT EQUAL 'Underlying Resource Inoperable'))		
Remedial action: A physical port (physical interface, LAG, channel) associated with the network interface in not operation. Ensure that the interface is cabled and that there isn't a configuration error (i.e. MTU size set incorrectly) on the interface. Once the issue w		

Table 13-115 InterfaceNeighborDown

Alarm	Attributes	Applicable major NE releases
Name: InterfaceNeighborDown (661) Type: NeighborDown (20) Package: ospf Raised on class: ospf.Interface	Severity: warning Implicitly cleared: true Default probable cause: NeighborDown (103)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when an interface neighbor is operationally down.		
Raising condition: (('Neighbor Count' EQUAL '0L') AND ('interfaceClass' NOT EQUAL 'System') AND ('Passive' NOT EQUAL 'true'))		
Clearing condition: (('Neighbor Count' NOT EQUAL '0L') OR ('Passive' EQUAL 'true'))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: This alarm is raised when the OSPF interface neighbor is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

(2 of 2)

Table 13-116 IPSeclsaGrpDown

Alarm	Attributes	Applicable major NE releases
Name: IPSeclsaGrpDown (3745) Type: equipmentAlarm (3) Package: isa Raised on class: isa.IPSeclsaGroup	Severity: major Implicitly cleared: true Default probable cause: IPSeclsaGrpDown (1480)	<ul style="list-style-type: none"> 6.0 6.1
Description: The alarm is raised when the Operational State of an ISA IPsec group is Down and the Administrative State is Up.		
Raising condition: (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
Clearing condition: (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
Remedial action: The operational state of the ISA-Tunnel Group is down, despite the administrative state being up. Check that the configured ISA-Tunnel Group Member MDA(s) are active and operationally up. There may be a fault with the ISA Application IPsec(Tunnel) Group.		

Table 13-117 IPSecTunnelBfdConnectionBroken

Alarm	Attributes	Applicable major NE releases
Name: IPSecTunnelBfdConnectionBroken (831) Type: serviceAlarm (16) Package: ipsec Raised on class: ipsec.IPSecTunnelBfd	Severity: minor Implicitly cleared: true Default probable cause: bfdSessionConnectionBroken (593)	<ul style="list-style-type: none"> 6.0 6.1
Description: The alarm is raised when the BFD connection to a peer times out.		
Raising condition: ('Operational State' EQUAL 'Timed Out')		
Clearing condition: ('Operational State' NOT EQUAL 'Timed Out')		
Remedial action: Check if the route to the BFD peer exist and is up.		

Table 13-118 IPSecTunnelBfdConnectionDown

Alarm	Attributes	Applicable major NE releases
Name: IPSecTunnelBfdConnectionDown (832) Type: serviceAlarm (16) Package: ipsec Raised on class: ipsec.IPSecTunnelBfd	Severity: minor Implicitly cleared: true Default probable cause: bfdSessionDown (346)	<ul style="list-style-type: none"> 6.0 6.1
Description: The alarm is raised when the Operational State of a BFD session is Not Connected.		
Raising condition: ('Operational State' NOT EQUAL 'Operational')		
Clearing condition: ('Operational State' EQUAL 'Operational')		
Remedial action: Check if the route to the BFD peer exist and is up.		

Table 13-119 IPSecTunnelBfdConnectionPeerDetectsDown

Alarm	Attributes	Applicable major NE releases
Name: IPSecTunnelBfdConnectionPeerDetectsDown (833) Type: serviceAlarm (16) Package: ipsec Raised on class: ipsec.IPSecTunnelBfd	Severity: minor Implicitly cleared: true Default probable cause: bfdSessionConnectionPeerDetectsDown (594)	<ul style="list-style-type: none"> 6.0 6.1
Description: The alarm is raised when a BFD peer detects a connection timeout.		
Raising condition: ('Operational State' EQUAL 'Down')		
Clearing condition: ('Operational State' NOT EQUAL 'Down')		
Remedial action: Check if the route to the BFD peer exist and is up.		

Table 13-120 IPSecTunnelDown

Alarm	Attributes	Applicable major NE releases
Name: IPSecTunnelDown (834) Type: serviceAlarm (16) Package: ipsec Raised on class: ipsec.IPSecTunnel	Severity: major Implicitly cleared: true Default probable cause: tunnelDown (23)	<ul style="list-style-type: none"> 6.0 6.1
Description: The alarm is raised when the IPsec tunnel Operational State changes to Down and the Administrative State is Up.		
Raising condition: (('Operational State' NOT EQUAL 'Up') AND ('Administrative State' EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: Fix the errors indicated in operational flag.		

Table 13-121 IsisAdjacencyDown

Alarm	Attributes	Applicable major NE releases
Name: IsisAdjacencyDown (153) Type: adjacencyAlarm (31) Package: isis Raised on class: isis.Interface	Severity: minor Implicitly cleared: true Default probable cause: IsisInterfaceDown (232)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when an IS-IS interface has no adjacencies, for example, because the IS-IS protocol on the remote site is down.		
Raising condition: (('Adjacency Count' EQUAL '0L') AND ('interfaceClass' NOT EQUAL 'System') AND ('Passive' NOT EQUAL 'True'))		
Clearing condition: (('Adjacency Count' > '0L') OR ('Passive' EQUAL 'True'))		
Remedial action: Check remote site to see if corresponding IS-IS interface is configured and admin up.		

Table 13-122 IsisDown

Alarm	Attributes	Applicable major NE releases
Name: IsisDown (19) Type: ProtocolAlarm (1) Package: isis Raised on class: isis.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when an IS-IS site has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: The protocol is not working anymore, could be a problem with IP addresses, resources on the device, ...		

Table 13-123 IsisInterfaceDown

Alarm	Attributes	Applicable major NE releases
Name: IsisInterfaceDown (301) Type: ProtocolAlarm (1) Package: isis Raised on class: isis.Interface	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when an IS-IS interface has an Operational State other than Up.		
Raising condition: ('Operational State' EQUAL 'Down')		
Clearing condition: ('Operational State' NOT EQUAL 'Down')		
Remedial action: Check if underlying port is down, or associated network interface is down.		

13 – Alcatel-Lucent 7705 SAR alarms

Table 13-124 KeepAliveProblem

Alarm	Attributes	Applicable major NE releases
Name: KeepAliveProblem (100) Type: oamAlarm (18) Package: svt Raised on class: svt.Tunnel	Severity: warning Implicitly cleared: true Default probable cause: keepAliveFailed (86)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when the 5620 SAM detects a keep-alive protocol status of senderIdInvalid or responderIdError.		
Raising condition: (('Keep-Alive State' NOT EQUAL 'Disabled') AND ('Keep-Alive State' NOT EQUAL 'Alive') AND ('Keep-Alive State' NOT EQUAL 'Unknown'))		
Clearing condition: (('Keep-Alive State' EQUAL 'Disabled') OR ('Keep-Alive State' EQUAL 'Alive') OR ('Keep-Alive State' EQUAL 'Unknown'))		
Remedial action: Check the configuration of this tunnel and underlying physical transport.		

Table 13-125 LabelProblem

Alarm	Attributes	Applicable major NE releases
Name: LabelProblem (98) Type: CircuitAlarm (17) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: labelProblem (84)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when an ingress or an egress label is missing.		
Raising condition: (('Operational State' EQUAL 'No Egress Label') OR ('Operational State' EQUAL 'No Ingress Label') OR ('Operational State' EQUAL 'No Labels'))		
Clearing condition: (('Operational State' NOT EQUAL 'No Egress Label') AND ('Operational State' NOT EQUAL 'No Ingress Label') AND ('Operational State' NOT EQUAL 'No Labels'))		
Remedial action: An ingress or egress label is missing for the SDP binding.		

Table 13-126 LagDown

Alarm	Attributes	Applicable major NE releases
Name: LagDown (20) Type: equipmentAlarm (3) Package: lag Raised on class: lag.Interface	Severity: critical Implicitly cleared: true Default probable cause: lagDown (17)	<ul style="list-style-type: none"> • 5.0 • 6.0 • 6.1
Description: The alarm is raised when all ports in a LAG are operationally down.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
Clearing condition: (('operationalState' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		

(1 of 2)

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

(2 of 2)

Table 13-127 LagPortAddFailed

Alarm	Attributes	Applicable major NE releases
Name: LagPortAddFailed (422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: warning Implicitly cleared: true Default probable cause: linkDown (315)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when the Lag Port Add function Fails.		
Raising condition: (('state' EQUAL 'Link Down') AND ('LAG ID' > '0'))		
Clearing condition: (('state' NOT EQUAL 'Link Down') OR ('LAG ID' EQUAL '0'))		
Remedial action: A configuration error has occurred which must be corrected. The link that was to be added to the LAG group may be of the wrong type (i.e. non ethernet) or the limit of the number of links supported in a LAG may have been reached.		

Table 13-128 LdpDown

Alarm	Attributes	Applicable major NE releases
Name: LdpDown (22) Type: ProtocolAlarm (1) Package: ldp Raised on class: ldp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when an LDP site has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: Check operational state down reason and update accordingly.		

Table 13-129 LdpSessionNonexistent

Alarm	Attributes	Applicable major NE releases
Name: LdpSessionNonexistent (2954) Type: LdpSessionAlarm (101) Package: ldp Raised on class: ldp.Session	Severity: critical Implicitly cleared: true Default probable cause: LdpSessionDown (1149)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when an LDP session is non-existent.		
Raising condition: ('Session State' EQUAL 'Non-existent')		
Clearing condition: ('Session State' EQUAL 'Operational')		
Remedial action: Please check the LDP session path to make sure all associated protocols/interfaces/connections are OK.		

Table 13-130 LdpTargetedPeerDown

Alarm	Attributes	Applicable major NE releases
Name: LdpTargetedPeerDown (23) Type: ProtocolAlarm (1) Package: ldp Raised on class: ldp.TargetedPeer	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when an LDP targeted peer is operationally down.		
Raising condition: (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
Clearing condition: (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
Remedial action: Please check the route to LDP targeted peer to make sure all associated protocols/interfaces/connections are OK.		

Table 13-131 LicensedLimitExceeded

Alarm	Attributes	Applicable major NE releases
Name: LicensedLimitExceeded (127) Type: licensingAlarm (23) Package: security Raised on class: security.ProductLicense	Severity: critical Implicitly cleared: true Default probable cause: licensedLimitExceeded (106)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when the license items in the network exceeds 100 percent of the license capacity.		
Raising condition: ('Exceeded' EQUAL 'true')		
Clearing condition: ('Exceeded' NOT EQUAL 'true')		
Remedial action: Informational - The number of SAM licenses purchased and available on the SAM server is insufficient as compared to the number of NEs/MDA/Cells under management in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

Table 13-132 LineAlarmIndicationSignal

Alarm	Attributes	Applicable major NE releases
Name: LineAlarmIndicationSignal (84) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: lineAlarmIndicationSignal (70)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when a SONET port reports an LAIS error. The alarm corresponds to the lais alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'Line Alarm Indication Signal') AND ('Report Alarms'anyBit'Line Alarm Indication Signal'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Line Alarm Indication Signal') AND ('Report Alarms'anyBit'Line Alarm Indication Signal'))))		
Remedial action: Informational only.		

Table 13-133 LineErrorCondition

Alarm	Attributes	Applicable major NE releases
Name: LineErrorCondition (94) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: lineErrorCondition (80)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when a SONET port reports a line error condition that a remote NE raises because of b1 errors received from the local NE. The alarm corresponds to the lrei alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'Line Error Condition') AND ('Report Alarms'anyBit'Line Error Condition'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Line Error Condition') AND ('Report Alarms'anyBit'Line Error Condition'))))		
Remedial action: Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 13-134 LineRemoteDefectIndication

Alarm	Attributes	Applicable major NE releases
Name: LineRemoteDefectIndication (85) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: lineRemoteDefectIndication (71)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when a SONET port reports a line remote defect indication error caused by an LOF, LOC, or LOS condition. The alarm corresponds to the lrdi alarm on an NE.		

(1 of 2)

13 – Alcatel-Lucent 7705 SAR alarms

Alarm	Attributes	Applicable major NE releases
Raising condition: (('Outstanding Alarms'anyBit'Line Remote Defect Indication') AND ('Report Alarms'anyBit'Line Remote Defect Indication'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Line Remote Defect Indication') AND ('Report Alarms'anyBit'Line Remote Defect Indication'))))		
Remedial action: Informational only.		

(2 of 2)

Table 13-135 LinkDown

Alarm	Attributes	Applicable major NE releases
Name: LinkDown (12) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: portLinkProblem (10)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when a port has no associated physical link or remote end point is operationally down.		
Raising condition: (('compositeEquipmentState' EQUAL 'Link Down') OR ('compositeEquipmentState' EQUAL 'Oper Down'))		
Clearing condition: (('compositeEquipmentState' NOT EQUAL 'Link Down') AND ('compositeEquipmentState' NOT EQUAL 'Oper Down'))		
Remedial action: Please make sure that port has physical link and remote end point is operationally up.		

Table 13-136 LossOfClock (sonetequipment)

Alarm	Attributes	Applicable major NE releases
Name: LossOfClock (83) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: lossOfClock (69)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when a SONET port reports an LOC condition, which causes the NE to set the port Operational State to Down.		
Raising condition: (('Outstanding Alarms'anyBit'Loss of Clock') AND ('Report Alarms'anyBit'Loss of Clock'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Loss of Clock') AND ('Report Alarms'anyBit'Loss of Clock'))))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected.		

Table 13-137 LowTemperatureDetected

Alarm	Attributes	Applicable major NE releases
Name: LowTemperatureDetected (1127) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOvercooled (838)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when the chassis temperature falls below the minimum threshold.		
Raising condition: ('Low Temperature State' EQUAL 'Low')		
Clearing condition: ('Low Temperature State' NOT EQUAL 'Low')		
Remedial action: The NE has detected internal temperatures which are abnormally low. This may happen when the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 13-138 LspDown

Alarm	Attributes	Applicable major NE releases
Name: LspDown (25) Type: pathAlarm (12) Package: mpls Raised on class: mpls.Lsp	Severity: critical Implicitly cleared: true Default probable cause: LspDown (19)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when the Operational State of an LSP is Down, but the Administrative State is Up.		
Raising condition: (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
Clearing condition: (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
Remedial action: So many things can cause LSP down, check if source and destination interfaces are down, LSP path is down and the failure code, or MPLS path is down...		

Table 13-139 LspPathBypassTunnelActive

Alarm	Attributes	Applicable major NE releases
Name: LspPathBypassTunnelActive (264) Type: pathAlarm (12) Package: mpls Raised on class: mpls.LspPath	Severity: warning Implicitly cleared: true Default probable cause: LspPathReroutedToBypassTunnel (197)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when an LSP primary path is rerouted to the bypass tunnel. The alarm clears when the primary path returns to the original tunnel and the actual hop returns to the primary path.		
Raising condition: ('Bypass Tunnel Active' EQUAL 'true')		
Clearing condition: ('Bypass Tunnel Active' EQUAL 'false')		
Remedial action: There is a problem with the original path, check what is the problem and fix it if possible.		

Table 13-140 LspPathDown

Alarm	Attributes	Applicable major NE releases
Name: LspPathDown (26) Type: pathAlarm (12) Package: mpls Raised on class: mpls.LspPath	Severity: major Implicitly cleared: true Default probable cause: LspPathDown (20)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when an LSP path is operationally down.		
Raising condition: (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up') AND ('Type' EQUAL 'Standby'))		
Clearing condition: (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up') OR ('Type' EQUAL 'Secondary'))		
Remedial action: Check the failure code and update accordingly, e.g. whether MPLS/RSVP interfaces, OSPF interfaces are down.		

Table 13-141 macMoveRateExceeded (service)

Alarm	Attributes	Applicable major NE releases
Name: macMoveRateExceeded (3690) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: minor Implicitly cleared: true Default probable cause: MacMoveRateExceeded (1429)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site.		
Raising condition: ('State Cause'anyBit'Relearn Limit Exceeded')		
Clearing condition: NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		
Remedial action: Informational.		

Table 13-142 macMoveRateExceeded (svt)

Alarm	Attributes	Applicable major NE releases
Name: macMoveRateExceeded (3690) Type: SpokeSdpBindingAlarm (104) Package: svt Raised on class: svt.SpokeSdpBinding	Severity: minor Implicitly cleared: true Default probable cause: MacMoveRateExceeded (1429)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when the SDP exceeds the Service Site's MAC Move Frequency.		
Raising condition: ('operationalFlags'anyBit'Relearn Limit Exceeded')		
Clearing condition: NOT (('operationalFlags'anyBit'Relearn Limit Exceeded'))		
Remedial action: Check Service Site MAC move frequency or underlying physical link to understand issue.		

Table 13-143 macMoveRateExceededNonBlock (service)

Alarm	Attributes	Applicable major NE releases
Name: macMoveRateExceededNonBlock (4893) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: info Implicitly cleared: true Default probable cause: MacMoveRateExceededNonBlock (1951)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site when limitMacMove(sapTIsLimitMacMove) is set to 'nonBlocking'.		
Raising condition: ('State Cause'anyBit'Relearn Limit Exceeded')		
Clearing condition: NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		
Remedial action: Informational - User can adjust the value of 'MAC Move Maximum Rate' to reduce the frequency of this alarm.		

Table 13-144 macMoveRateExceededNonBlock (svt)

Alarm	Attributes	Applicable major NE releases
Name: macMoveRateExceededNonBlock (4893) Type: SpokeSdpBindingAlarm (104) Package: svt Raised on class: svt.SpokeSdpBinding	Severity: info Implicitly cleared: true Default probable cause: MacMoveRateExceededNonBlock (1951)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when the SDP exceeds the Service Site's MAC Move Frequency even when limitMacMove(sdpBindTIsLimitMacMove) is set to 'nonBlocking'.		
Raising condition: ('operationalFlags'anyBit'Relearn Limit Exceeded')		
Clearing condition: NOT (('operationalFlags'anyBit'Relearn Limit Exceeded'))		
Remedial action: Informational - User can adjust the value of 'MAC Move Maximum Rate' to reduce the frequency of this alarm.		

Table 13-145 MCLagDown (lag)

Alarm	Attributes	Applicable major NE releases
Name: MCLagDown (394) Type: equipmentAlarm (3) Package: lag Raised on class: lag.MultiChassisLagSpecifics	Severity: critical Implicitly cleared: true Default probable cause: mclagDown (295)	<ul style="list-style-type: none"> • 6.0 • 6.1
Description: The alarm is raised when all ports in an MC LAG are operationally down.		
Raising condition: (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
Clearing condition: (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		

(1 of 2)

13 – Alcatel-Lucent 7705 SAR alarms

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

(2 of 2)

Table 13-146 MCLagDown (multichassis)

Alarm	Attributes	Applicable major NE releases
Name: MCLagDown (394) Type: equipmentAlarm (3) Package: multichassis Raised on class: multichassis.MultiChassisLagPeerSpecifics	Severity: critical Implicitly cleared: true Default probable cause: mclagDown (295)	<ul style="list-style-type: none"> 6.0 6.1
Description: The alarm is raised when all ports in an MC LAG are operationally Down.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: This alarm indicates that all physical Ethernet links associated with a LAG are operationally down. The reasons for the links to be down may vary from link to link. The following possible causes of this alarm should be investigated. The physical port (near end or far end may have failed - this can be remedied by replacing the interface card in question. The physical links may have been turned down administratively - re-enable the links. A cable failure or disconnect may have occurred - please ensure that the cables are properly connected to the physical port and and that the cable has not been damaged.		

Table 13-147 MepAISReceivedAlarm

Alarm	Attributes	Applicable major NE releases
Name: MepAISReceivedAlarm (2945) Type: oamAlarm (18) Package: ethernetOAM Raised on class: ethernetOAM.Mep	Severity: variable Implicitly cleared: true Default probable cause: missingRemoteMep (388)	<ul style="list-style-type: none"> 4.0 5.0 6.0 6.1
Description: The alarm is raised when a MEP Receives AIS test frames from one or more of its sub-layer MEPs.		
Raising condition: (('AIS Received (AisRx)' EQUAL 'true') AND ('Facility VLAN ID' EQUAL '0'))		
Clearing condition: ('AIS Received (AisRx)' EQUAL 'false')		
Remedial action: This alarm indicates that it has received a MEP fault from a sub-layer MEP, user should investigate the fault cause on the sub-layer MEP and resolve this root cause issue.		

Table 13-148 MldDown

Alarm	Attributes	Applicable major NE releases
Name: MldDown (587) Type: ProtocolAlarm (1) Package: mld Raised on class: mld.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 6.0 • 6.1
Description: The alarm is raised when an MLD site has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: Check the base router and system are configured correctly.		

Table 13-149 MobileConnectorDown

Alarm	Attributes	Applicable major NE releases
Name: MobileConnectorDown (1064) Type: EpcAlarm (59) Package: Iteservice Raised on class: Iteservice.MobileServiceConnector	Severity: minor Implicitly cleared: true Default probable cause: EpcDown (519)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when the 5620 SAM no longer manages the EPS path instance of this mobile service site. As a result, the service must be regenerated.		
Raising condition: ('EPS Path' EQUAL "\")		
Clearing condition: ('EPS Path' NOT EQUAL "\")		
Remedial action: The underlying transport network has gone down resulting in the deletion of a mobile service connector (EPS path). Correct the issue with the transport network and regenerate the mobile service connector by clicking on the re-calculate button on the mobile service properties form.		

Table 13-150 MplsDown

Alarm	Attributes	Applicable major NE releases
Name: MplsDown (27) Type: ProtocolAlarm (1) Package: mpls Raised on class: mpls.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when an MPLS site has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: Check operational down reason and update accordingly.		

Table 13-151 MplsPathUpdateFailed

Alarm	Attributes	Applicable major NE releases
Name: MplsPathUpdateFailed (1066) Type: pathAlarm (12) Package: mpls Raised on class: mpls.LspPath	Severity: major Implicitly cleared: true Default probable cause: mbbRetryExceeded (804) Applicable probable causes: <ul style="list-style-type: none"> • mbbRetryExceeded • lspPathGoingDown • startingHighPriMbb • restartingMbb • highPriMbbInProg 	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when an MPLS path update fails because of an MBB problem. The alarm clears when the MBB status changes to Successful.		
Raising condition: (('mbbStatus' NOT EQUAL 'None') AND ('mbbStatus' NOT EQUAL 'Successful'))		
Clearing condition: (('Last Performed State' EQUAL 'Success') OR ('Administrative' EQUAL 'Down') OR (('Operational' EQUAL 'Up') AND ('Last Performed State' EQUAL 'None')))		
Remedial action: Based on the probable cause, change the parameters and update the path again.		

Table 13-152 MvrSiteDown

Alarm	Attributes	Applicable major NE releases
Name: MvrSiteDown (162) Type: ProtocolAlarm (1) Package: layer2 Raised on class: layer2.MvrSite	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when MVR is disabled on an NE and a TLS VLAN or MVR VLAN service is provisioned on the NE.		
Raising condition: ('MVR Admin Status' EQUAL 'Disabled')		
Clearing condition: ('MVR Admin Status' EQUAL 'Enabled')		
Remedial action: To clear the alarm, enable MVR Admin Status under the Bridge Instance.		

Table 13-153 NeighborDown

Alarm	Attributes	Applicable major NE releases
Name: NeighborDown (121) Type: NeighborDown (20) Package: ospf Raised on class: ospf.AbstractNeighbor	Severity: major Implicitly cleared: true Default probable cause: NeighborDown (103)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when an OSPF interface neighbor is operationally Down.		
Raising condition: ('Operational State' NOT EQUAL 'full')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: ('Operational State' EQUAL 'full')		
Remedial action: This alarm is raised when the OSPF interface neighbor is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

(2 of 2)

Table 13-154 NeManagementAndTrapManagementMismatch

Alarm	Attributes	Applicable major NE releases
Name: NeManagementAndTrapManagementMismatch (1079) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: neManagementChange (817)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: This user-defined alarm is raised when the NE configuration is one of the following: - The Active Management IP is set to Out Of Band, and the Primary Route Preference is set to In Band. - The Active Management IP is set to In Band, and the Primary Route Preference is set to Out of Band.		
Raising condition: (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only'))) AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only'))) AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'Out Of Band'))		
Clearing condition: (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only'))) AND ('Primary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only'))) AND ('Primary Route Preference' EQUAL 'Out Of Band'))		
Remedial action: A configuration error has been made which must be corrected. The parameters described in the description for this alarm must match.		

Table 13-155 NewSsh2ServerKeyDetected

Alarm	Attributes	Applicable major NE releases
Name: NewSsh2ServerKeyDetected (285) Type: communicationsAlarm (4) Package: security Raised on class: security.KnownHostKey	Severity: warning Implicitly cleared: true Default probable cause: ssh2ServerKeyMismatch (217)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when a 5620 SAM main server detects a new public SSH key.		
Raising condition: ('SSH2 Server Key Status' EQUAL 'Mismatch SSH2 Host Key')		
Clearing condition: ('SSH2 Server Key Status' EQUAL 'Active SSH2 Host Key')		
Remedial action: Informational - possible security breach. The SSH key of the router is different from the one known to the SAM server.		

Table 13-156 NodeDatabaseFallbackDetected

Alarm	Attributes	Applicable major NE releases
Name: NodeDatabaseFallbackDetected (2923) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseFallback (1121)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when a configuration fallback is detected on the node and comes back up with a previous configuration. To correct this situation it might be necessary to reconfigure the node, or perform full resync its database with the 'fallback' configuration returned by the node.		
Raising condition: ('State' EQUAL 'Node Configuration Fallback')		
Clearing condition: ('State' EQUAL 'Managed')		
Remedial action: the NE has come back to a previous configuration. Perform a manual Full Resync or a Reconfigure of the NE		

Table 13-157 NodeDatabaseMisalignmentDetected

Alarm	Attributes	Applicable major NE releases
Name: NodeDatabaseMisalignmentDetected (2924) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseMisalignment (1122)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when a configuration misalignment has been detected on the node and comes back up with an unexpected configuration (configuration change triggered by external tool) To correct this situation it might be necessary to reconfigure the node with the 5620 SAM's old configuration or accept the new configuration received from the node.		
Raising condition: ('State' EQUAL 'Node Configuration Misalignment')		
Clearing condition: ('State' EQUAL 'Managed')		
Remedial action: the NE configuration is misaligned. Perform a resync in order to update SAM configuration according to the NE.		

Table 13-158 NodeRebooted

Alarm	Attributes	Applicable major NE releases
Name: NodeRebooted (32) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: false Default probable cause: nodeReboot (25)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the 5620 SAM detects an NE reboot based on the latest NE sysUpTime value.		
Remedial action: Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 13-159 NodeSuspended

Alarm	Attributes	Applicable major NE releases
Name: NodeSuspended (5123) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: NodeSuspend (2057)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when the 5620 SAM detects an NE moved to suspend state as per user request.		
Raising condition: ('SNMP Reachability' EQUAL 'Suspended')		
Clearing condition: ('SNMP Reachability' NOT EQUAL 'Suspended')		
Remedial action: This alarm is raised when user suspends the network element. The alarm will be cleared when the network element is managed back.		

Table 13-160 NTPOperDown

Alarm	Attributes	Applicable major NE releases
Name: NTPOperDown (4879) Type: communicationsAlarm (4) Package: ntp Raised on class: ntp.NTP	Severity: info Implicitly cleared: true Default probable cause: NTPOperDown (1943)	<ul style="list-style-type: none"> • 5.0 • 6.0 • 6.1
Description: The alarm is generated when the NTP Operational State is down for NTP.		
Raising condition: (('Operational State' EQUAL 'Down') AND ('NTP State' EQUAL 'Enabled'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('NTP State' EQUAL 'Disabled'))		
Remedial action: Please check if NTP is administratively enabled (Admin State in NTP General Tab). If admin state down, enable it to make NTP operationally up.		

Table 13-161 OrphanNodeDetected

Alarm	Attributes	Applicable major NE releases
Name: OrphanNodeDetected (4866) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.AdvertisedNode	Severity: major Implicitly cleared: true Default probable cause: nodeNotManagedByAnyEms (1934)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when node is not managed by any EMS after n retries (threshold crossed) it is manually cleared by the operator or when the node is discovered.		
Raising condition: ('state' EQUAL 'orphan')		
Remedial action: The NE is not managed by any SAM. Add an discovery rule in order to manage it.		

13 – Alcatel-Lucent 7705 SAR alarms

Table 13-162 OspfInterfaceDown

Alarm	Attributes	Applicable major NE releases
Name: OspfInterfaceDown (141) Type: OspfInterfaceDown (24) Package: ospf Raised on class: ospf.Interface	Severity: warning Implicitly cleared: true Default probable cause: OspfInterfaceDown (112)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when an OSPF interface is operationally down.		
Raising condition: ('operationalState' EQUAL 'Down')		
Clearing condition: ('operationalState' NOT EQUAL 'Down')		
Remedial action: This alarm is raised when the OSPF interface is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 13-163 OverTemperatureDetected

Alarm	Attributes	Applicable major NE releases
Name: OverTemperatureDetected (388) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when the chassis temperature exceeds the maximum threshold value.		
Raising condition: ('Over Temperature State' EQUAL 'Over')		
Clearing condition: ('Over Temperature State' NOT EQUAL 'Over')		
Remedial action: The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 13-164 PartialResyncProblem

Alarm	Attributes	Applicable major NE releases
Name: PartialResyncProblem (4401) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: partialResyncProblem (1578)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when an Partial Resync on an NE fails. For example, when resyncing only some MIB entries as opposed to a full resync. The periodic reachability test (sysUpTime) is not considered a partial resync, neither is a full resync. However, a PartialResyncProblem alarm can only be reset by a FullResync.		
Raising condition: ('partialResyncStatus' EQUAL 'Partial Resync Failed')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: ('partialResyncStatus' EQUAL 'Partial Resync Done')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE.		

(2 of 2)

Table 13-165 PeerConnectionDown (bgp)

Alarm	Attributes	Applicable major NE releases
Name: PeerConnectionDown (2) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.Peer	Severity: critical Implicitly cleared: true Default probable cause: connectionDown (2)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when a BGP peer has a Connection State other than Established, and the Administrative State of the BGP peer is Up.		
Raising condition: (('Connection State' NOT EQUAL 'Established') AND ('Administrative State' EQUAL 'Up'))		
Clearing condition: (('Connection State' EQUAL 'Established') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: A mismatch in configuration may have occurred. Check the configuration of both peers to rule out a mismatched configuration.		

Table 13-166 PeerDown (bgp)

Alarm	Attributes	Applicable major NE releases
Name: PeerDown (1) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.Peer	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when a BGP peer has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: The BGP peer entity is down - administratively disable the BGP peer and re-enable it. If toggling the administrative state does not solve the problem check that the physical interface and network connection to the far end peer are up and operational. If the problem persists please contact Alcatel-Lucent support for assistance.		

13 – Alcatel-Lucent 7705 SAR alarms

Table 13-167 PeerGroupDown (bgp)

Alarm	Attributes	Applicable major NE releases
Name: PeerGroupDown (5) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.PeerGroup	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when a BGP peer group has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: The BGP peer group is down - administratively disable the BGP peer group and re-enable it. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 13-168 PeerLacIngressEgressFault

Alarm	Attributes	Applicable major NE releases
Name: PeerLacIngressEgressFault (2929) Type: PeerLacAlarm (98) Package: svt Raised on class: svt.SpokeSdpBinding	Severity: minor Implicitly cleared: true Default probable cause: peerPWStatusBitsChanged (1123)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when the Peer Status is Peer LAC Rx Fault and Peer LAC Tx Fault		
Raising condition: (('Peer State Cause'anyBit'Peer LAC Tx Fault') AND ('Peer State Cause'anyBit'Peer LAC Rx Fault'))		
Clearing condition: NOT (((('Peer State Cause'anyBit'Peer LAC Tx Fault') AND ('Peer State Cause'anyBit'Peer LAC Rx Fault'))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 13-169 PersistentIndexParametersMisconfigured

Alarm	Attributes	Applicable major NE releases
Name: PersistentIndexParametersMisconfigured (173) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: persistentIndexConfigurationMismatch (136)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when persistence is set to Off in the NE BOF.		
Raising condition: (('Persistent SNMP Indices' EQUAL 'False') OR (('hasRedundantProcessorCards' EQUAL 'true') AND ('Redundant Synchronization Mode' EQUAL 'None')))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: (('Persistent SNMP Indices' EQUAL 'True') AND (('hasRedundantProcessorCards' EQUAL 'false') OR ('Redundant Synchronization Mode' NOT EQUAL 'None')))		
Remedial action: A configuration error has occurred that must be corrected. Use the CLI on the NE to enable persistency in the BOF. The discovery process will complete on the next discovery scan. A re-scan can be triggered immediately for the NE from within the discovery manager		

(2 of 2)

Table 13-170 PimDown

Alarm	Attributes	Applicable major NE releases
Name: PimDown (184) Type: ProtocolAlarm (1) Package: pim Raised on class: pim.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 6.0 • 6.1
Description: The alarm is raised when a PIM site is administratively Up but operationally Down. The alarm is cleared when the PIM site becomes operationally Up but administratively Down.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: This should never happen. Contact Alcatel-Lucent Customer Support for assistance.		

Table 13-171 PollerProblem

Alarm	Attributes	Applicable major NE releases
Name: PollerProblem (31) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: resyncFailed (24)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
Raising condition: ('Resync Status' EQUAL 'Full Resync Failed')		
Clearing condition: ('Resync Status' EQUAL 'Full Resync Done')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 13-172 PowerSupplyFailure

Alarm	Attributes	Applicable major NE releases
Name: PowerSupplyFailure (633) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: critical Implicitly cleared: true Default probable cause: powerSupplyFailure (117)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when a power-supply tray reports a failure. When the alarm is raised during device discovery, a power-supply tray may be out of service. When the alarm is raised while the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
Raising condition: (('Power Supply 1 Status' EQUAL 'Not Equipped') OR ('Power Supply 1 Status' EQUAL 'Failed'))		
Clearing condition: (('Power Supply 1 Status' EQUAL 'OK'))		
Remedial action: Ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 13-173 PowerSupplyInputFeedDown

Alarm	Attributes	Applicable major NE releases
Name: PowerSupplyInputFeedDown (5422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: minor Implicitly cleared: true Default probable cause: powerSupplyInputFeedDown (2073)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: This alarm is generated if any one of the input feeds for a given power supply is not supplying power.		
Raising condition: (('Input Feed Status' EQUAL 'Input A Down') OR ('Input Feed Status' EQUAL 'Input B Down') OR (('Input Feed Status'allBits'Input A Down') AND ('Input Feed Status'allBits'Input B Down'))		
Clearing condition: ('Input Feed Status' EQUAL 'None')		
Remedial action: Restore all of the input feeds that are not supplying power.		

Table 13-174 PowerSupplyRemoved

Alarm	Attributes	Applicable major NE releases
Name: PowerSupplyRemoved (542) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: major Implicitly cleared: true Default probable cause: PowerSupplyRemoved (415)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when a chassis power supply is removed.		
Raising condition: ('Power Supply 1 Status' EQUAL 'Not Equipped')		
Clearing condition: ('Power Supply 1 Status' NOT EQUAL 'Not Equipped')		
Remedial action: To recover from this event, the customer is requested to add a new power supply to the system, or change a faulty power supply with a working one.		

Table 13-175 PppLoopbackDetected

Alarm	Attributes	Applicable major NE releases
Name: PppLoopbackDetected (362) Type: configurationAlarm (11) Package: ppp Raised on class: ppp.Interface	Severity: major Implicitly cleared: true Default probable cause: PppLoopbackDetected (259)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when the value of tmnxPppLocalMagicNumber is the same as the value of tmnxPppRemoteMagicNumber, which indicates that the link may be looped back.		
Raising condition: (('Local Magic Number' EQUAL 'Remote Magic Number') AND ('Local Magic Number' NOT EQUAL '0L'))		
Clearing condition: (('Local Magic Number' NOT EQUAL 'Remote Magic Number') OR ('Local Magic Number' EQUAL '0L'))		
Remedial action: Informational.		

Table 13-176 PrimaryImageBootFailure

Alarm	Attributes	Applicable major NE releases
Name: PrimaryImageBootFailure (191) Type: configurationAlarm (11) Package: sw Raised on class: sw.CardSoftware	Severity: warning Implicitly cleared: true Default probable cause: bootOptionFileMisconfigured (150)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when the primary software image specified in an NE BOF is unusable.		
Raising condition: (('imageSource' NOT EQUAL 'Primary') AND ('imageSource' NOT EQUAL 'Unknown'))		
Clearing condition: (('imageSource' EQUAL 'Primary') OR ('imageSource' EQUAL 'Unknown'))		
Remedial action: The SW image on the NE may have been inadvertently corrupted. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

Table 13-177 PrimaryPathLimitReached

Alarm	Attributes	Applicable major NE releases
Name: PrimaryPathLimitReached (457) Type: resourceAlarm (28) Package: equipment Raised on class: equipment.DaughterCard	Severity: warning Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when the Ingress Multicast Path Management primary path bandwidth limit is reached.		
Raising condition: (('Primary Path Limit Override' > '0') AND ('Primary Path In use' >= (1000 * 'Primary Path Limit Override'))"		
Clearing condition: (('Primary Path Limit Override' > '0') AND ('Primary Path In use' < (1000 * 'Primary Path Limit Override'))"		
Remedial action: Informational - The alarm is raised when the Ingress Multicast Path Management primary path bandwidth limit is reached. This can be remedied by modifying the primary path limit located at T1 Paths tab of the multicast bandwidth policy which assigned to the card, or increase the primary path limit override located at the Daughter Card tab under Daughter Card Slot form.		

Table 13-178 PTPNotQualified

Alarm	Attributes	Applicable major NE releases
Name: PTPNotQualified (3611) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPNotQualified (1400)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when PTP on an NE is not in the Qualified state.		
Raising condition: (('Qualified For Use' EQUAL 'Not Qualified'))		
Clearing condition: (('Qualified For Use' NOT EQUAL 'Not Qualified'))		
Remedial action: Check the communication path is up between the local PTP slave clock and its selected master		

Table 13-179 PTPPeerLossOfAnnounce

Alarm	Attributes	Applicable major NE releases
Name: PTPPeerLossOfAnnounce (3608) Type: communicationsAlarm (4) Package: ptp Raised on class: ptp.IEEEPTPPeer	Severity: minor Implicitly cleared: true Default probable cause: PTPPeerLossOfAnnounce (1397)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when the PTP peer is in the 'Packet Timing Signal Fail (Loss Announce)' state. This indicates that the PTP announce messages are not received from the remote master.		
Raising condition: (('Master GM Alarms'anyBit'Loss of Announce'))		
Clearing condition: NOT (('Master GM Alarms'anyBit'Loss of Announce'))		
Remedial action: Please check if Configured Peer IP address is reachable (ping <Peer Ip>) from the this SR node and PTP configuration is proper.		

Table 13-180 PTPPeerLossOfSync

Alarm	Attributes	Applicable major NE releases
Name: PTPPeerLossOfSync (3609) Type: communicationsAlarm (4) Package: ptp Raised on class: ptp.IEEEPTPPeer	Severity: minor Implicitly cleared: true Default probable cause: PTPPeerLossOfSync (1398)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when the PTP peer is in the 'Packet Timing Signal Fail (Loss Sync)' state. This indicates that the PTP timing messages are not received from the remote master.		
Raising condition: (('Master GM Alarms'anyBit'Loss of Sync'))		
Clearing condition: NOT (('Master GM Alarms'anyBit'Loss of Sync'))		
Remedial action: Please check if Configured Peer IP address is reachable (ping <Peer Ip>) from the this SR node and PTP configuration is proper.		

Table 13-181 PTPReferenceLossOfSignal

Alarm	Attributes	Applicable major NE releases
Name: PTPReferenceLossOfSignal (3613) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPReferenceLossOfSignal (1402)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when the PTP reference on an NE is not qualified due to Loss of Signal.		
Raising condition: (('Not Qualified Due To'anyBit'LOS'))		
Clearing condition: NOT (((('Not Qualified Due To'anyBit'LOS'))))		
Remedial action: Check the communication path is up between the local PTP slave clock and its selected master		

Table 13-182 PTPReferenceOutOfFrequency

Alarm	Attributes	Applicable major NE releases
Name: PTPReferenceOutOfFrequency (3614) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPReferenceOutOfFrequency (1403)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when the PTP Reference on an NE is not qualified due to Out of frequency.		
Raising condition: (('Not Qualified Due To'anyBit'OOF'))		
Clearing condition: NOT (((('Not Qualified Due To'anyBit'OOF'))))		
Remedial action: Make sure that frequency configured for Reference One is correct.		

Table 13-183 PTPReferenceOutOfPollInRange

Alarm	Attributes	Applicable major NE releases
Name: PTPReferenceOutOfPollInRange (3615) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPReferenceOutOfPollInRange (1404)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when the PTP Reference on an NE is not qualified state due to Out of poll in range.		
Raising condition: (('Not Qualified Due To'anyBit'OOPIR'))		
Clearing condition: NOT (((('Not Qualified Due To'anyBit'OOPIR'))))		
Remedial action: If there is packet flow, the PTP slave clock is in it's initial acquiring states where the sync-if-timing reference does not qualify just wait.		

Table 13-184 RadioNoDbFile

Alarm	Attributes	Applicable major NE releases
Name: RadioNoDbFile (4905) Type: communicationsAlarm (4) Package: mwa Raised on class: mwa.PortTermination	Severity: warning Implicitly cleared: true Default probable cause: NoDbFile (1961)	<ul style="list-style-type: none"> • 5.0 • 6.0 • 6.1
Description: The alarm is raised when SAR is not able detect the radio database file specified.		
Raising condition: ('Oper Flag'anyBit'No Database File')		
Clearing condition: NOT (('Oper Flag'anyBit'No Database File'))		
Remedial action: Please place a valid MPT radio database file in the SAR compact flash or do /admin save/ for the file to be created.		

Table 13-185 RadioNotPresent

Alarm	Attributes	Applicable major NE releases
Name: RadioNotPresent (4845) Type: equipmentAlarm (3) Package: mwa Raised on class: mwa.PortTermination	Severity: major Implicitly cleared: true Default probable cause: RadioNotDetected (1923)	<ul style="list-style-type: none"> • 5.0 • 6.0 • 6.1
Description: The alarm is raised when a microwave radio device is no longer detected.		
Raising condition: ('Oper Flag'anyBit'Radio Not Present')		
Clearing condition: NOT (('Oper Flag'anyBit'Radio Not Present'))		
Remedial action: This notifications reports the management session to the MPR-e has been lost and the MPR-e is no longer reachable. Likely the MPR-e is resetting or has not yet connected to 7705 after a 7705 system or MDA reset.		

Table 13-186 RadioSoftwareDownloadFailed

Alarm	Attributes	Applicable major NE releases
Name: RadioSoftwareDownloadFailed (4847) Type: communicationsAlarm (4) Package: mwa Raised on class: mwa.RadioPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: SoftwareDownloadFailure (1924)	<ul style="list-style-type: none"> • 6.0 • 6.1
Description: The alarm is raised when software download fails		
Raising condition: ('Software State'anyBit'Download Failed')		
Clearing condition: NOT (('Software State'anyBit'Download Failed'))		
Remedial action: Please refer to either 9500 or 7705 Node Maintenance manual for remedial action information.		

Table 13-187 RadioSoftwarePackageMissing

Alarm	Attributes	Applicable major NE releases
Name: RadioSoftwarePackageMissing (4870) Type: NoValidRadioSoftwareFound (131) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: false Default probable cause: NoValidRadioSoftwareFound (1937)	<ul style="list-style-type: none"> 6.0
Description: This alarm is raised when SAR is missing a valid MPR-e SW package in SAR compact flash.		
Remedial action: This is raised when SAR is missing the MPR-e SW package in SAR compact Flash; remedial action is to download the SAR SW bundle including MPR-e package; likely someone removed explicitly MPR-e SW package folder or downloaded the wrong SAR SW bundle to the node		

Table 13-188 RadioTxMuted

Alarm	Attributes	Applicable major NE releases
Name: RadioTxMuted (4849) Type: communicationsAlarm (4) Package: mwa Raised on class: mwa.PortTermination	Severity: major Implicitly cleared: true Default probable cause: RadioTransmitterMuted (1926)	<ul style="list-style-type: none"> 5.0 6.0 6.1
Description: The alarm is raised when microwave radio transmitter changes state.		
Raising condition: ('Oper Flag'anyBit'Tx Muted')		
Clearing condition: NOT (('Oper Flag'anyBit'Tx Muted'))		
Remedial action: Please refer to either 9500 or 7705 Node Maintenance manual for remedial action information.		

Table 13-189 RadiusOperStatusDown

Alarm	Attributes	Applicable major NE releases
Name: RadiusOperStatusDown (3692) Type: radiusOperStatusDownAlarm (105) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: radiusOperationStatusDown (1431)	<ul style="list-style-type: none"> 4.0 5.0 6.0 6.1
Description: The alarm is raised when all RADIUS servers have gone down.		
Raising condition: ('Global RADIUS Operational State' EQUAL 'Down')		
Clearing condition: ('Global RADIUS Operational State' EQUAL 'Up')		
Remedial action: Verify the RADIUS server is properly configured and radius server state is up. Check the connectivity between SAM server and radius server configured on the Network element.		

Table 13-190 ReachabilityProblem

Alarm	Attributes	Applicable major NE releases
Name: ReachabilityProblem (243) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ReachabilityTestFailed (176)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when an Mediation poll of the SysUpTimeAlarm object on an NE fails, for example, because of network congestion or because the NE is too busy to respond. The probable cause is an unreachable NE Mediation agent on the NE. By default, the 5620 SAM polls a managed NE every two minutes. If a poll fails, the alarm is raised. The 5620 SAM polls the NE two minutes after the first failure. If successive polls fail, the 5620 SAM raises the polling interval for the NE by two minutes after each failure to a maximum of 12 min. The polling interval remains at 12 min until the 5620 SAM receives a response from the NE. The alarm clears when the 5620 SAM receives a response from the NE, and the 5620 SAM GUI icon that represents the NE turns from red to green.		
Raising condition: ('SNMP Reachability' EQUAL 'Down')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 13-191 ReconfigFailure

Alarm	Attributes	Applicable major NE releases
Name: ReconfigFailure (1949) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: failedReconfig (937)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: This alarm is raised when the reconfig action failed.		
Raising condition: ('State' EQUAL 'Failed')		
Clearing condition: ('State' NOT EQUAL 'Failed')		
Remedial action: Verify that the object is configured as expected.		

Table 13-192 RedundantMepMisconfiguration

Alarm	Attributes	Applicable major NE releases
Name: RedundantMepMisconfiguration (3631) Type: oamAlarm (18) Package: ethernetOam Raised on class: ethernetOam.Mep	Severity: minor Implicitly cleared: true Default probable cause: misconfiguredRedundantMep (1416)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when an Active and Redundant MEP do not have the same Id, Operational MAC Address or Sub Group configured.		
Raising condition: ('validRedundantMepConfig' EQUAL 'false')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: ('validRedundantMepConfig' EQUAL 'true')		
Remedial action: MC-LAG redundant MEP configuration (MEP ID or Mac Address) for Active & Standby Interfaces do not match, this could cause issues with CFM or CCM tests if Active interface changes. Delete and Re-create Standby MEP to match Active.		

(2 of 2)

Table 13-193 RedundantMepMissing

Alarm	Attributes	Applicable major NE releases
Name: RedundantMepMissing (3632) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: minor Implicitly cleared: true Default probable cause: missingRedundantMep (1417)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when a MEP misses a redundant counterpart on LAG or SAP.		
Raising condition: (('MC-LAG Inactive' NOT EQUAL 'Not Applicable') AND ('Redundant MEP' EQUAL '\'))		
Clearing condition: (('MC-LAG Inactive' EQUAL 'Not Applicable') OR (('MC-LAG Inactive' NOT EQUAL 'Not Applicable') AND ('Redundant MEP' NOT EQUAL '\')))		
Remedial action: MC-LAG redundant MEP is missing Active & Standby Interfaces, this will cause issues with CFM or CCM tests if Active interface changes. Create missing Active/Standby MEP to match existing.		

Table 13-194 RemoteMepCCMAAlarm

Alarm	Attributes	Applicable major NE releases
Name: RemoteMepCCMAAlarm (502) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: major Implicitly cleared: true Default probable cause: missingRemoteMep (388)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when a MEP loses connectivity with one or more remote MEPs. The Remote MEP DB State tab on a MEP lists the missing remote MEPs.		
Raising condition: ('High-Priority Defect' NOT EQUAL '0')		
Clearing condition: ('High-Priority Defect' EQUAL '0')		
Remedial action: MEP has lost communication with Remote MEP defined in Maintenance Association (MEG) Remote MEP list, Either Remote MEP list is incorrect or diagnose connection fault and resolve.		

Table 13-195 RipDown

Alarm	Attributes	Applicable major NE releases
Name: RipDown (72) Type: ProtocolAlarm (1) Package: rip Raised on class: rip.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 6.0 • 6.1
Description: The alarm is raised when a RIP site has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: The RIP Site is down while it is administratively up. Please check the node e.g, IOM is not shutdown or installed.		

Table 13-196 RouteDistinguisherNotConfigured

Alarm	Attributes	Applicable major NE releases
Name: RouteDistinguisherNotConfigured (142) Type: configurationAlarm (11) Package: l3fwd Raised on class: l3fwd.ServiceSite	Severity: major Implicitly cleared: true Default probable cause: routeDistinguisherNotConfigured (113)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when no RD is configured for an L3 service site.		
Raising condition: ('routeDistinguisher' EQUAL "\00 00 00 00 00 00 00 00")		
Clearing condition: ('routeDistinguisher' NOT EQUAL "\00 00 00 00 00 00 00 00")		
Remedial action: A configuration error has occurred which must be corrected. The RD must be configured on the L3 Service Site in question.		

Table 13-197 RsvpDown

Alarm	Attributes	Applicable major NE releases
Name: RsvpDown (74) Type: ProtocolAlarm (1) Package: rsvp Raised on class: rsvp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when an RSVP site has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: The RSVP Site is down while it is administratively up. Please check MPLS is enabled and administratively up.		

Table 13-198 RxSectionSynchronizationError

Alarm	Attributes	Applicable major NE releases
Name: RxSectionSynchronizationError (93) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: rxSectionSynchronizationError (79)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when a SONET port reports a section synchronization failure. A section synchronization failure occurs when the S1 byte is inconsistent for eight consecutive frames.		
Raising condition: (('Outstanding Alarms'anyBit'RX Section Synchronization Error') AND ('Report Alarms'anyBit'RX Section Synchronization Error'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'RX Section Synchronization Error') AND ('Report Alarms'anyBit'RX Section Synchronization Error'))		
Remedial action: Check the link status between SONET Port and the source.		

Table 13-199 SaveConfigFailed

Alarm	Attributes	Applicable major NE releases
Name: SaveConfigFailed (105) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileAccessError (90)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when the admin save command on an NE fails.		
Raising condition: ('Config Save State' EQUAL 'Failure')		
Clearing condition: ('Config Save State' EQUAL 'Success')		
Remedial action: Attempt the admin save command a second time. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 13-200 ScheduledPollerProblem

Alarm	Attributes	Applicable major NE releases
Name: ScheduledPollerProblem (4386) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: scheduledResyncFailed (1569)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
Raising condition: ('Scheduled Resync Status' EQUAL 'Scheduled Resync Failed')		
Clearing condition: ('Scheduled Resync Status' EQUAL 'Scheduled Resync Done')		

(1 of 2)

13 – Alcatel-Lucent 7705 SAR alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

(2 of 2)

Table 13-201 SdpBindingDown

Alarm	Attributes	Applicable major NE releases
Name: SdpBindingDown (221) Type: SdpBindingAlarm (30) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: SdpBindingNotReady (166)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when an SDP binding has an Operational State other than Up.		
Raising condition: (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'Standby For BGP Multi-Homing'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'Standby For BGP Multi-Homing'))		
Remedial action: To resolve this alarm check the SDP binding to determine if a configuration mismatch exists. If configuration is determined to be correct then the associated network interface may be down. Further investigation is required to determine why the underlying network interface is down.		

Table 13-202 SdpBindingTunnelDown

Alarm	Attributes	Applicable major NE releases
Name: SdpBindingTunnelDown (222) Type: CircuitAlarm (17) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: SdpTunnelNotReady (167)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when an SDP binding tunnel has an Operational State other than Up.		
Raising condition: (('Operational State' EQUAL 'Tunnel Not Ready') OR ('Operational State' EQUAL 'Tunnel Down'))		
Clearing condition: (('Operational State' NOT EQUAL 'Tunnel Not Ready') AND ('Operational State' NOT EQUAL 'Tunnel Down'))		
Remedial action: To resolve this alarm check the endpoints of the SDP binding to determine if a configuration mismatch exists. If configuration matches then the underlying network resource between the endpoints of the SDP may be down. Further investigation is required to determine why the underlying transport network is down.		

Table 13-203 SdpEgressIfsNetDomainInConsistent

Alarm	Attributes	Applicable major NE releases
Name: SdpEgressIfsNetDomainInConsistent (3616) Type: resourceAlarm (28) Package: svt Raised on class: svt.Tunnel	Severity: warning Implicitly cleared: true Default probable cause: sdpEgressIfsNetDomainInConsistent (1405)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when the SDP egress interface's consistency state changes to inconsistent.		
Raising condition: ('Egress Interfaces Consistency State' EQUAL '3')		
Clearing condition: ('Egress Interfaces Consistency State' EQUAL '2')		
Remedial action: To resolve this alarm check egress interfaces of the SDP configuration. If configuration is determined to be correct check underlying physical transport. Further investigation is required.		

Table 13-204 SecondaryPathLimitReached

Alarm	Attributes	Applicable major NE releases
Name: SecondaryPathLimitReached (458) Type: resourceAlarm (28) Package: equipment Raised on class: equipment.DaughterCard	Severity: warning Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when the Ingress Multicast Path Management secondary path bandwidth limit is reached.		
Raising condition: (('Secondary Path Limit Override' > '0') AND ('Secondary Path In use' >= (1000 * 'Secondary Path Limit Override'))"		
Clearing condition: (('Secondary Path Limit Override' > '0') AND ('Secondary Path In use' < (1000 * 'Secondary Path Limit Override'))"		
Remedial action: Informational - The alarm is raised when the Ingress Multicast Path Management secondary path bandwidth limit is reached. This can be remedied by modifying the secondary path limit located at T1 Paths tab of the multicast bandwidth policy which assigned to the card, or increase the secondary path limit override located at the Daughter Card tab under Daughter Card Slot form.		

Table 13-205 SectionB1Error

Alarm	Attributes	Applicable major NE releases
Name: SectionB1Error (87) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: sectionB1Error (73)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when a SONET port reports a section error condition that a remote NE raises because of b1 errors received from the local NE. The alarm corresponds to the lrei alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'Section B1 Error') AND ('Report Alarms'anyBit'Section B1 Error'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Section B1 Error') AND ('Report Alarms'anyBit'Section B1 Error'))		

(1 of 2)

13 – Alcatel-Lucent 7705 SAR alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

(2 of 2)

Table 13-206 SectionLossOfFrame

Alarm	Attributes	Applicable major NE releases
Name: SectionLossOfFrame (90) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: sectionLossOfFrame (76)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when a SONET port reports a SLOF error. The alarm corresponds to the slof alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'Section Loss of Frame') AND ('Report Alarms'anyBit'Section Loss of Frame'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Section Loss of Frame') AND ('Report Alarms'anyBit'Section Loss of Frame'))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected.		

Table 13-207 SectionLossOfSignal

Alarm	Attributes	Applicable major NE releases
Name: SectionLossOfSignal (91) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: sectionLossOfSignal (77)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when a SONET port reports a SLOS error. The alarm corresponds to the slos alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'Section Loss of Signal') AND ('Report Alarms'anyBit'Section Loss of Signal'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Section Loss of Signal') AND ('Report Alarms'anyBit'Section Loss of Signal'))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected.		

Table 13-208 SectionS1Failure

Alarm	Attributes	Applicable major NE releases
Name: SectionS1Failure (86) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: sectionS1Failure (72)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when a SONET port reports a section synchronization failure. A section synchronization failure occurs when the S1 byte is inconsistent for eight consecutive frames.		
Raising condition: (('Outstanding Alarms'anyBit'Section S1 Failure') AND ('Report Alarms'anyBit'Section S1 Failure'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'Section S1 Failure') AND ('Report Alarms'anyBit'Section S1 Failure'))		
Remedial action: Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 13-209 SerialChannelOutOfFrame

Alarm	Attributes	Applicable major NE releases
Name: SerialChannelOutOfFrame (808) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.SerialChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: outOfFrame (100)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when an NE reports that a serial channel has an OOF alarm condition.		
Raising condition: (('Outstanding Alarms'anyBit'HCM Out Of Frame') AND ('Report Alarms'anyBit'HCM Out Of Frame'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'HCM Out Of Frame') AND ('Report Alarms'anyBit'HCM Out Of Frame'))		
Remedial action: The Cpipe Service running on this RS232 serial card need fixing. Make the Cpipe error free.		

Table 13-210 SerialChannelRemoteAlarmIndication

Alarm	Attributes	Applicable major NE releases
Name: SerialChannelRemoteAlarmIndication (809) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.SerialChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: remoteAlarmIndication (574)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when an NE reports that a serial channel has an RAI condition.		
Raising condition: (('Outstanding Alarms'anyBit'HCM Remote Alarm Indication') AND ('Report Alarms'anyBit'HCM Remote Alarm Indication'))		

(1 of 2)

13 – Alcatel-Lucent 7705 SAR alarms

Alarm	Attributes	Applicable major NE releases
Clearing condition: NOT (((('Outstanding Alarms'anyBit'HCM Remote Alarm Indication') AND ('Report Alarms'anyBit'HCM Remote Alarm Indication'))))		
Remedial action: The Cpipe Service running on this RS232 serial card need fixing. Make the Cpipe error free.		

(2 of 2)

Table 13-211 ServiceSiteDown

Alarm	Attributes	Applicable major NE releases
Name: ServiceSiteDown (97) Type: serviceAlarm (16) Package: service Raised on class: service.Site	Severity: critical Implicitly cleared: true Default probable cause: siteDown (83)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when all SAPs on a site are operationally down, or when the service tunnels for the site are operationally down.		
Raising condition: (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'All Spoke SDP Bindings are Standby'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'All Spoke SDP Bindings are Standby'))		
Remedial action: The network resources (i.e. physical ports for SAPs, or physical ports/LSP) associated with the service site should be examined to determine if/why they are operationally down. The underlying transport network supporting the site may also be unreliable.		

Table 13-212 SessionDown

Alarm	Attributes	Applicable major NE releases
Name: SessionDown (73) Type: ProtocolAlarm (1) Package: rsvp Raised on class: rsvp.Session	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when an RSVP session is operationally down.		
Raising condition: ('Operational State' EQUAL 'Down')		
Clearing condition: ('Operational State' EQUAL 'Up')		
Remedial action: Please check the RSVP session path to make sure all associated protocols/interfaces/connections are OK.		

Table 13-213 SingleSFMOverloadDetected

Alarm	Attributes	Applicable major NE releases
Name: SingleSFMOverloadDetected (843) Type: ProtocolAlarm (1) Package: I3fwd Raised on class: I3fwd.Site	Severity: major Implicitly cleared: true Default probable cause: singleSfmOverloadDetected (601)	<ul style="list-style-type: none"> • 6.0 • 6.1
Description: The alarm is raised when a device reports a single-SFM overload. The alarm clears when the VR exits the Overload state.		
Raising condition: ('Overload State' EQUAL 'Overload')		
Clearing condition: ('Overload State' EQUAL 'Normal')		
Remedial action: Information - if the the problem persists please contact Alcatel-Lucent support for assistance.		

Table 13-214 SoftwareDownloadInProgress

Alarm	Attributes	Applicable major NE releases
Name: SoftwareDownloadInProgress (4850) Type: communicationsAlarm (4) Package: mwa Raised on class: mwa.RadioPortSpecifics	Severity: info Implicitly cleared: true Default probable cause: RadioSoftwareDownloadInProgress (1927)	<ul style="list-style-type: none"> • 6.0 • 6.1
Description: The alarm is raised when radio software download is in progress - Software download is requested or a forced download is triggered.		
Raising condition: ('Software State'anyBit'In Progress')		
Clearing condition: NOT (('Software State'anyBit'In Progress'))		
Remedial action: This is alarm for information only. Informational - no corrective action required.		

Table 13-215 SonetPathAlarmIndicationSignal

Alarm	Attributes	Applicable major NE releases
Name: SonetPathAlarmIndicationSignal (129) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathAlarmIndicationSignal (63)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when a SONET port reports a PAIS error. The alarm corresponds to the pais alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'Path Alarm Indication Signal') AND ('Report Alarms'anyBit'Path Alarm Indication Signal'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Path Alarm Indication Signal') AND ('Report Alarms'anyBit'Path Alarm Indication Signal'))		

(1 of 2)

13 – Alcatel-Lucent 7705 SAR alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

(2 of 2)

Table 13-216 SonetPathB3Error

Alarm	Attributes	Applicable major NE releases
Name: SonetPathB3Error (132) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathB3Error (66)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when a SONET port reports a path error condition because of b3 errors. The alarm corresponds to the prei alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'Path B3 error') AND ('Report Alarms'anyBit'Path B3 error'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Path B3 error') AND ('Report Alarms'anyBit'Path B3 error'))		
Remedial action: Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 13-217 SonetPathLossOfCodegroupDelineationError

Alarm	Attributes	Applicable major NE releases
Name: SonetPathLossOfCodegroupDelineationError (248) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathLossOfCodegroupDelineationError (185)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when a SONET port reports a PLCD error. The alarm corresponds to the plcd alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'Path Loss of Codegroup Delineation Error') AND ('Report Alarms'anyBit'Path Loss of Codegroup Delineation Error'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Path Loss of Codegroup Delineation Error') AND ('Report Alarms'anyBit'Path Loss of Codegroup Delineation Error'))		
Remedial action: Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 13-218 SonetPathLossOfPointer

Alarm	Attributes	Applicable major NE releases
Name: SonetPathLossOfPointer (130) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathLossOfPointer (64)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when a SONET port reports a PLOP error. The alarm corresponds to the plop alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'Path Loss of Pointer') AND ('Report Alarms'anyBit'Path Loss of Pointer'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'Path Loss of Pointer') AND ('Report Alarms'anyBit'Path Loss of Pointer'))		
Remedial action: Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 13-219 SonetPathPayloadMismatch

Alarm	Attributes	Applicable major NE releases
Name: SonetPathPayloadMismatch (133) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathPayloadMismatch (67)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when a SONET port reports a PPLM error on a channel, after which the channel is set operationally down. The alarm corresponds to the pplm alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'Path Payload Mismatch') AND ('Report Alarms'anyBit'Path Payload Mismatch'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'Path Payload Mismatch') AND ('Report Alarms'anyBit'Path Payload Mismatch'))		
Remedial action: Informational only.		

Table 13-220 SonetPathRemoteB3Error

Alarm	Attributes	Applicable major NE releases
Name: SonetPathRemoteB3Error (134) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathRemoteB3Error (68)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when a SONET port reports a path error condition that a remote NE raises because of b3 errors received from the local NE. The alarm corresponds to the prei alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'Path Remote B3 Error') AND ('Report Alarms'anyBit'Path Remote B3 Error'))		

(1 of 2)

13 – Alcatel-Lucent 7705 SAR alarms

Alarm	Attributes	Applicable major NE releases
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Path Remote B3 Error') AND ('Report Alarms'anyBit'Path Remote B3 Error'))))		
Remedial action: Check the remote NE is configured correctly and its physical layer cabling is operating correctly.		

(2 of 2)

Table 13-221 SonetPathRemoteDefectIndication

Alarm	Attributes	Applicable major NE releases
Name: SonetPathRemoteDefectIndication (131) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathRemoteDefectIndication (65)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when a SONET port reports a remote PAIS error. The alarm corresponds to the pais alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'Path Remote Defect Indication') AND ('Report Alarms'anyBit'Path Remote Defect Indication'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Path Remote Defect Indication') AND ('Report Alarms'anyBit'Path Remote Defect Indication'))))		
Remedial action: Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 13-222 SonetPathUnequippedPathError

Alarm	Attributes	Applicable major NE releases
Name: SonetPathUnequippedPathError (143) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathUnequippedPathError (114)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when a SONET port reports a path unequipped error. The alarm corresponds to the Path Alarm Unequipped Path Error alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'Path Alarm Unequipped Path Error') AND ('Report Alarms'anyBit'Path Alarm Unequipped Path Error'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Path Alarm Unequipped Path Error') AND ('Report Alarms'anyBit'Path Alarm Unequipped Path Error'))))		
Remedial action: Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 13-223 StatsRetrieveFailed

Alarm	Attributes	Applicable major NE releases
Name: StatsRetrieveFailed (244) Type: configurationAlarm (11) Package: sw Raised on class: sw.AccountingStatsRetrievalManager	Severity: major Implicitly cleared: false Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when the 5620 SAM main or auxiliary server cannot transfer an accounting file from an NE.		
Raising condition: (('Stats Retrieval State' NOT EQUAL 'Success') AND ('Stats Retrieval State' NOT EQUAL 'Not Attempted'))		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy or otherwise cannot respond to the 5620 SAM main or auxiliary server.		

Table 13-224 StpExceptionCondition

Alarm	Attributes	Applicable major NE releases
Name: StpExceptionCondition (297) Type: AccessInterfaceAlarm (32) Package: l2fwd Raised on class: l2fwd.AccessInterfaceStp	Severity: major Implicitly cleared: true Default probable cause: StpException (228)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when a SAP detects an STP exception condition, for example, one-way communication or a downstream loop. The alarm clears when the STP condition changes.		
Raising condition: (('STP Exception Condition' NOT EQUAL 'None') AND ('Administrative State' EQUAL 'Up'))		
Clearing condition: (('STP Exception Condition' EQUAL 'None') OR ('Administrative State' EQUAL 'Down'))		
Remedial action: Check 'STP Exception Condition' field for more details and fix the STP exception.		

Table 13-225 StpRootGuardViolation

Alarm	Attributes	Applicable major NE releases
Name: StpRootGuardViolation (503) Type: AccessInterfaceAlarm (32) Package: l2fwd Raised on class: l2fwd.AccessInterfaceStp	Severity: warning Implicitly cleared: true Default probable cause: spanningTreeTopologyChanged (331)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when a SAP detects an STP root guard violation.		
Raising condition: ('Root Guard Violation' EQUAL 'true')		
Clearing condition: ('Root Guard Violation' NOT EQUAL 'true')		
Remedial action: Set 'Root Guard' to false if not necessary.		

Table 13-226 SubscriberSystemNextHopUsageHigh

Alarm	Attributes	Applicable major NE releases
Name: SubscriberSystemNextHopUsageHigh (5157) Type: thresholdCrossed (6) Package: netw Raised on class: netw.NetworkElement	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit.		
Raising condition: ('IP Next Hop Usage High' EQUAL 'true')		
Clearing condition: ('IP Next Hop Usage High' EQUAL 'false')		
Remedial action: The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit. There is no immediate effect, but when the usage actually hits the limit, new hosts will not get their managed routes.		

Table 13-227 TemperatureThresholdCrossed

Alarm	Attributes	Applicable major NE releases
Name: TemperatureThresholdCrossed (7) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Environment	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when a temperature crosses a threshold.		
Raising condition: ('temperatureThresholdCrossed' EQUAL 'true')		
Clearing condition: ('temperatureThresholdCrossed' EQUAL 'false')		
Remedial action: The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 13-228 TmnxEqPortEtherLoopDetected

Alarm	Attributes	Applicable major NE releases
Name: TmnxEqPortEtherLoopDetected (461) Type: portEtherLoopDetected (48) Package: ethernetEquipment Raised on class: ethernetEquipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when a device detects a physical loop on an Ethernet port.		
Raising condition: (('Down When Looped Status' EQUAL 'Loop Detected'))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: (('Down When Looped Status' EQUAL 'No Loop Detected'))		
Remedial action: An Ethernet port has been mis-cabled - please remove the loopback cable on the port.		

(2 of 2)

Table 13-229 TrapDestinationMisconfigured

Alarm	Attributes	Applicable major NE releases
Name: TrapDestinationMisconfigured (33) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: trapDestinationMisconfigured (26) Applicable probable causes: <ul style="list-style-type: none"> trapDestinationMisconfigured duplicateTrapLogId 	<ul style="list-style-type: none"> 4.0 5.0 6.0 6.1
Description: The alarm is raised when the 5620 SAM cannot be added to the NE's SNMP trap destinations.		
Raising condition: ('isTrapDestinationMisconfigured' EQUAL 'true')		
Clearing condition: ('isTrapDestinationMisconfigured' EQUAL 'false')		
Remedial action: A configuration error has been made which must be corrected. The SNMP trap destination on the NE must be configured to the IP address of the SAM server.		

Table 13-230 TrapReceivingFailure

Alarm	Attributes	Applicable major NE releases
Name: TrapReceivingFailure (1083) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: false Default probable cause: trapsWillNotBeSent (822)	<ul style="list-style-type: none"> 4.0 5.0 6.0 6.1
Description: This user-defined alarm is raised when the NE is unable to send traps because the NE configuration is one of the following: - The Management IP Selection is set to Out Of Band Only, the Primary Route Preference is set to In Band, and the Secondary Route Preference is set to None. - The Management IP Selection is set to In Band Only, the Primary Route Preference is set to Out Of Band, and the Secondary Route Preference is set to None.		
Raising condition: (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		

(1 of 2)

13 – Alcatel-Lucent 7705 SAR alarms

Alarm	Attributes	Applicable major NE releases
Clearing condition: (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND (('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND (('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND (('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND (('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND (('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND (('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band'))))		
Remedial action: A configuration error has been made which must be corrected. The configuration error must be corrected per the discussion in the description for this alarm.		

(2 of 2)

Table 13-231 TrapRoutePreferenceRedundancyMissing

Alarm	Attributes	Applicable major NE releases
Name: TrapRoutePreferenceRedundancyMissing (1084) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: trapsRedundancyMissing (823)	<ul style="list-style-type: none"> 4.0 5.0 6.0 6.1
Description: The user-defined alarm is raised when NE management redundancy is configured without trap route preference redundancy.		
Raising condition: (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))		
Clearing condition: (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Secondary Route Preference' NOT EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Secondary Route Preference' NOT EQUAL 'None'))		
Remedial action: A configuration error has been made which must be corrected. The IP address of the standby SAM server must be configured on the NE in question.		

Table 13-232 TunnelAdministrativelyDown (mpls)

Alarm	Attributes	Applicable major NE releases
Name: TunnelAdministrativelyDown (523) Type: pathAlarm (12) Package: mpls Raised on class: mpls.Tunnel	Severity: minor Implicitly cleared: true Default probable cause: tunnelAdministrativelyDown (333)	<ul style="list-style-type: none"> 4.0 5.0 6.0 6.1
Description: The alarm is raised when the 5620 SAM detects that an MPLS path is administratively down.		
Raising condition: ('Administrative' NOT EQUAL 'Up')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: ('Administrative' EQUAL 'Up')		
Remedial action: Turn up the corresponding MPLS path.		

(2 of 2)

Table 13-233 TunnelAdministrativelyDown (svt)

Alarm	Attributes	Applicable major NE releases
Name: TunnelAdministrativelyDown (523) Type: pathAlarm (12) Package: svt Raised on class: svt.Tunnel	Severity: minor Implicitly cleared: true Default probable cause: tunnelAdministrativelyDown (333)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when the 5620 SAM detects that a service tunnel is administratively down.		
Raising condition: ('administrativeState' NOT EQUAL 'Up')		
Clearing condition: ('administrativeState' EQUAL 'Up')		
Remedial action: Informational - an operator has manually turned down a service tunnel.		

Table 13-234 TunnelDown (mpls)

Alarm	Attributes	Applicable major NE releases
Name: TunnelDown (30) Type: pathAlarm (12) Package: mpls Raised on class: mpls.Tunnel	Severity: warning Implicitly cleared: true Default probable cause: tunnelDown (23)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when an MPLS path has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up'))		
Clearing condition: (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up'))		
Remedial action: Check the network resources along the path.		

Table 13-235 TunnelDown (svt)

Alarm	Attributes	Applicable major NE releases
Name: TunnelDown (30) Type: pathAlarm (12) Package: svt Raised on class: svt.AbstractTunnel	Severity: critical Implicitly cleared: true Default probable cause: tunnelDown (23)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1

(1 of 2)

13 – Alcatel-Lucent 7705 SAR alarms

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when the 5620 SAM detects that a service tunnel is operationally down.		
Raising condition: (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up'))		
Clearing condition: (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up'))		
Remedial action: This alarm indicates that a problem has been made in the underlying transport network. If the alarm persists or re-occurs frequently then investigation of the underlying transport issues is warranted.		

(2 of 2)

Table 13-236 TwampRefInactivityTimeout

Alarm	Attributes	Applicable major NE releases
Name: TwampRefInactivityTimeout (4969) Type: communicationsAlarm (4) Package: sas Raised on class: sas.TwampSrv	Severity: major Implicitly cleared: true Default probable cause: TWAMPReflectorInactivityTimeout (2024)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: tmnxTwampSrvNotifClientAddrType, tmnxTwampSrvNotifClientAddr, aluTwampRefNotifLocalAddrType, aluTwampRefNotifLocalAddr, aluTwampRefNotifLocalPort, aluTwampRefNotifRemoteAddrType, aluTwampRefNotifRemoteAddr, aluTwampRefNotifRemotePort The alarm is raised when a TWAMP test session was disconnected by the TWAMP Reflector because the session was inactive for a period exceeding the reflector's inactivity timeout (Reflector Test Session Timeout). The TWAMP reflector cannot receive any traffic on the disconnected session. RECOVERY - Check the IP connectivity between this reflector and the TWAMP client.		
Remedial action: Verify the value of the ref-inactivity-timeout and modify it according to the operational needs.		

Table 13-237 TxSectionSynchronizationError

Alarm	Attributes	Applicable major NE releases
Name: TxSectionSynchronizationError (92) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: txSectionSynchronizationError (78)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when a SONET port reports an SS1F error. The alarm corresponds to the ss1f alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'TX Section Synchronization Error') AND ('Report Alarms'anyBit'TX Section Synchronization Error'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'TX Section Synchronization Error') AND ('Report Alarms'anyBit'TX Section Synchronization Error'))))		
Remedial action: Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 13-238 UnidentifiedNode

Alarm	Attributes	Applicable major NE releases
Name: UnidentifiedNode (1922) Type: communicationsAlarm (4) Package: netw Raised on class: netw.DiscoveredNode	Severity: major Implicitly cleared: true Default probable cause: unidentifiedNode (922)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when the node being discovered can not be properly identified.		
Raising condition: ('State' EQUAL 'Pending Identification')		
Clearing condition: ('State' NOT EQUAL 'Pending Identification')		
Remedial action: A configuration error has occurred that must be corrected. The eNodeB does not have a system name. The name can be configured by selecting the alarm, opening the associated properties form for the alarmed object and configuring the system name.		

Table 13-239 UnmanageFailed

Alarm	Attributes	Applicable major NE releases
Name: UnmanageFailed (300) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.NodeDiscoveryControl	Severity: warning Implicitly cleared: true Default probable cause: unableToDeleteNode (231)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when an attempt to unmanage an NE fails.		
Raising condition: ('Site State' EQUAL 'unmanage failed')		
Clearing condition: ('Site State' NOT EQUAL 'unmanage failed')		
Remedial action: Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 13-240 unsupportedPortUsage

Alarm	Attributes	Applicable major NE releases
Name: unsupportedPortUsage (5184) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: warning Implicitly cleared: true Default probable cause: incompatiblePortUsage (2100)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised in case unsupported port type is configured		
Raising condition: (('portId' >= '1L') AND ('portId' <= '4L') AND ('specificCardType' EQUAL 'EASv2') AND (('Port Usage' EQUAL 'MPT-HC') OR ('Port Usage' EQUAL 'MPT-MC')))"		
Clearing condition: NOT (((('portId' >= '1L') AND ('portId' <= '4L') AND ('specificCardType' EQUAL 'EASv2') AND (('Port Usage' EQUAL 'MPT-HC') OR ('Port Usage' EQUAL 'MPT-MC')))))"		
Remedial action: This alarm indicates unsupported port usage. Port usage configured on the NE is not supported by SAM.		

Table 13-241 UpgradedBuildVersionMismatch

Alarm	Attributes	Applicable major NE releases
Name: UpgradedBuildVersionMismatch (174) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: upgradedImageNotBooted (137)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when the software version that an NE reports after a software upgrade does not match the version of the software used for the upgrade.		
Raising condition: ('upgradedBuildVersionMismatch' EQUAL 'true')		
Clearing condition: ('upgradedBuildVersionMismatch' EQUAL 'false')		
Remedial action: Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 13-242 upgradedCardAlarm

Alarm	Attributes	Applicable major NE releases
Name: upgradedCardAlarm (255) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: upgradedCard (194)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when the standby CPM is rebooted and operational after a software upgrade. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
Raising condition: ('operationalState' EQUAL 'Upgrade')		
Clearing condition: ('operationalState' EQUAL 'Up')		
Remedial action: Informational - no corrective action required.		

Table 13-243 VersionConfigRestoreFailed

Alarm	Attributes	Applicable major NE releases
Name: VersionConfigRestoreFailed (536) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: versionMismatch (405)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when the restore procedure on an NE fails because of a mismatch between the backup file set version and the NE software version.		
Raising condition: ('lastNmsVersionRestoreState' EQUAL 'Failure')		
Clearing condition: ('lastNmsVersionRestoreState' EQUAL 'Success')		
Remedial action: The backup files being restored do not match with the version of node software release. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

Table 13-244 VirtualLinkDown

Alarm	Attributes	Applicable major NE releases
Name: VirtualLinkDown (122) Type: VirtualLinkAlarm (21) Package: ospf Raised on class: ospf.VirtualLink	Severity: warning Implicitly cleared: true Default probable cause: VirtualLinkDown (104)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when a virtual link is Down.		
Raising condition: ('Operational State' EQUAL 'Down')		
Clearing condition: ('Operational State' NOT EQUAL 'Down')		
Remedial action: This alarm is raised when the OSPF virtual link is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 13-245 VirtualNeighborDown

Alarm	Attributes	Applicable major NE releases
Name: VirtualNeighborDown (123) Type: VirtualNeighborDown (22) Package: ospf Raised on classes: <ul style="list-style-type: none"> • ospf.ShamLink • ospf.VirtualLink 	Severity: warning Implicitly cleared: true Default probable cause: VirtualNeighborDown (105)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when a neighbor virtual link is operationally down.		
Raising condition: ('neighborCount' EQUAL '0L')		
Clearing condition: ('neighborCount' NOT EQUAL '0L')		
Remedial action: This alarm is raised when the OSPF neighbor virtual link is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 13-246 WrongCpaaSoftwareVersion

Alarm	Attributes	Applicable major NE releases
Name: WrongCpaaSoftwareVersion (791) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: wrongCpaaSoftwareVersion (559)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when the 7701 CPAA software is the wrong version and requires an upgrade.		
Raising condition: (('Software Version' EQUAL "\"TiMOS-B-3.0.Generic \") AND ('Chassis Type' EQUAL '7701 CPAA'))		

(1 of 2)

13 – Alcatel-Lucent 7705 SAR alarms

Alarm	Attributes	Applicable major NE releases
Clearing condition: (('Software Version' NOT EQUAL '\TIMOS-B-3.0.Generic \') AND ('Chassis Type' EQUAL '7701 CPAA'))		
Remedial action: The SW version of the CPAA must be upgraded to the version compatible with CPAM version.		

(2 of 2)

Table 13-247 XplError

Alarm	Attributes	Applicable major NE releases
Name: XplError (573) Type: hardwareAnomaly (55) Package: equipment Raised on class: equipment.DaughterCard	Severity: minor Implicitly cleared: true Default probable cause: xplError (443)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0 • 6.1
Description: The alarm is raised when an MDA reports persistent XPL Errors.		
Raising condition: ('Number Of Notifications' NOT EQUAL '0')		
Clearing condition: ('Number Of Notifications' EQUAL '0')		
Remedial action: Informational - if the condition persists then the MDA indicated in the alarm should be replaced.		

14 — Alcatel-Lucent 7705 SAR H alarms



Note — Some alarms that the 5620 SAM can raise against this device may not be listed in this chapter. Associating alarms with specific NE types is an ongoing Alcatel-Lucent effort. If the 5620 SAM raises an alarm against this device type, and the alarm is not described in this chapter, see chapter 35 for information about the alarm.

Table 14-1 AccessInterfaceDown

Alarm	Attributes	Applicable major NE releases
Name: AccessInterfaceDown (249) Type: AccessInterfaceAlarm (32) Package: service Raised on class: service.AccessInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> 5.0 6.1
Description: The alarm is raised when an L2 or L3 interface operational state is Down. The alarm is not raised against an L2 access interface that is associated with an MC ring or MC LAG in the standby state.		
Raising condition: (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'Standby For MC-Ring') AND ('State Cause' NOT EQUAL 'Standby For MC-Lag') AND ('State Cause' NOT EQUAL 'Standby For BGP Multi-homing'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'Standby For MC-Ring') OR ('State Cause' EQUAL 'Standby For MC-Lag') OR ('State Cause' EQUAL 'Standby For BGP Multi-homing'))		
Remedial action: The condition exists because the physical interface is down either because it is administratively disabled, faulty or a cabling fault has occurred. Ensure that the interface is administratively up. Check for a poor cable connection to the port or for a faulty cable/fiber. If neither appears to be the problem run diagnostics on the port to determine if it is faulty.		

Table 14-2 ActiveAbnormalCondition

Alarm	Attributes	Applicable major NE releases
Name: ActiveAbnormalCondition (3938) Type: activeAbnormalConditionAlarm (116) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ActiveAbnormalConditionState (1520)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is an indication for abnormal condition on NE.		
Raising condition: ('abnormalCondition' EQUAL 'true')		
Clearing condition: ('abnormalCondition' EQUAL 'false')		
Remedial action: This alarm is raised when there is a abnormal state indication on NE.		

Table 14-3 AGWDiameterPeerDown

Alarm	Attributes	Applicable major NE releases
Name: AGWDiameterPeerDown (844) Type: EpcAlarm (59) Package: lte Raised on class: lte.AGWDiameterPeer	Severity: variable Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when the path management state of a Diameter peer changes to a state other than Up.		
Raising condition: ('Path Diameter Management State' NOT EQUAL 'Active')		
Clearing condition: ('Path Diameter Management State' EQUAL 'Active')		
Remedial action: A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

Table 14-4 AncillaryPathLimitReached

Alarm	Attributes	Applicable major NE releases
Name: AncillaryPathLimitReached (459) Type: resourceAlarm (28) Package: equipment Raised on class: equipment.DaughterCard	Severity: warning Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when the Ingress Multicast Path Management ancillary path bandwidth limit is reached.		
Raising condition: (('Ancillary Path Limit Override' > '0') AND ('Ancillary Path In use' >= (1000 * 'Ancillary Path Limit Override'))"		
Clearing condition: (('Ancillary Path Limit Override' > '0') AND ('Ancillary Path In use' < (1000 * 'Ancillary Path Limit Override'))"		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: Informational - The alarm is raised when the Ingress Multicast Path Management ancillary path bandwidth limit is reached. This can be remedied by modifying the ancillary path limit located at T1 Paths tab of the multicast bandwidth policy which assigned to the card, or increase the ancillary path limit override located at the Daughter Card tab under Daughter Card Slot form.		

(2 of 2)

Table 14-5 AreaTypeMismatch

Alarm	Attributes	Applicable major NE releases
Name: AreaTypeMismatch (38) Type: configurationAlarm (11) Package: ospf Raised on class: ospf.Area	Severity: warning Implicitly cleared: true Default probable cause: areaTypeMisconfigured (34)	<ul style="list-style-type: none"> 5.0 6.1
Description: The alarm is raised when an OSPF area on one NE is configured as an NSSA and the same OSPF area on another NE is configured as a stub area.		
Raising condition: ('Type Mismatch' EQUAL 'true')		
Clearing condition: ('Type Mismatch' EQUAL 'false')		
Remedial action: A configuration error has been made which must be corrected. The OSPF area type configured for the NE does not match with the same OSPF area configured on another NE. Compare the configuration on the endpoint and correct the mismatch.		

Table 14-6 AuthKeyConflict (rsvp)

Alarm	Attributes	Applicable major NE releases
Name: AuthKeyConflict (5188) Type: processingErrorAlarm (81) Package: rsvp Raised on class: rsvp.AuthenticationKey	Severity: warning Implicitly cleared: true Default probable cause: AuthKeyConflict (2103)	<ul style="list-style-type: none"> 5.0
Description: The alarm is raised when both Authentication Key and RSVP Keychain are configured. RSVP Keychain will be used.		
Raising condition: (('RSVP Keychain' NOT EQUAL '') AND ('enableAuthentication' EQUAL 'true'))		
Clearing condition: (('RSVP Keychain' EQUAL '') OR ('enableAuthentication' NOT EQUAL 'true'))		
Remedial action: Authentication Key and RSVP Keychain are both configured. RSVP Keychain will be used. The alarm is cleared when only one is configured.		

Table 14-7 AuxiliaryServerStatus

Alarm	Attributes	Applicable major NE releases
Name: AuxiliaryServerStatus (311) Type: communicationsAlarm (4) Package: server Raised on class: server.AuxiliaryServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> 5.0 6.1
Description: The alarm is raised when a 5620 SAM main server cannot communicate with an auxiliary server. The alarm clears when communication is restored.		
Raising condition: ('Server Status' EQUAL 'Down')		
Clearing condition: ('Server Status' EQUAL 'Up')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the AUX and SAM servers is unreliable.		

Table 14-8 BerLineSignalDegradation

Alarm	Attributes	Applicable major NE releases
Name: BerLineSignalDegradation (88) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: berLineSignalDegradation (74)	<ul style="list-style-type: none"> 5.0 6.1
Description: The alarm is raised when a SONET port reports a line signal degradation BER error. The alarm corresponds to the lb2er-sd alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'BER Line Signal Degradation') AND ('Report Alarms'anyBit'BER Line Signal Degradation'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'BER Line Signal Degradation') AND ('Report Alarms'anyBit'BER Line Signal Degradation'))))		
Remedial action: Informational only.		

Table 14-9 BerLineSignalFailure

Alarm	Attributes	Applicable major NE releases
Name: BerLineSignalFailure (89) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: berLineSignalFailure (75)	<ul style="list-style-type: none"> 5.0 6.1
Description: The alarm is raised when a SONET port reports a line signal degradation BER error. The alarm corresponds to the lb2er-sf alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'BER Line Signal Failure') AND ('Report Alarms'anyBit'BER Line Signal Failure'))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: NOT (((('Outstanding Alarms'anyBit'BER Line Signal Failure') AND ('Report Alarms'anyBit'BER Line Signal Failure'))))		
Remedial action: Informational only.		

(2 of 2)

Table 14-10 BfdInterfaceConnectionBroken

Alarm	Attributes	Applicable major NE releases
Name: BfdInterfaceConnectionBroken (3329) Type: serviceAlarm (16) Package: vrrp Raised on class: vrrp.BfdInterface	Severity: minor Implicitly cleared: true Default probable cause: bfdSessionConnectionBroken (593)	<ul style="list-style-type: none"> 6.1
Description: The alarm is raised when the BFD connection to a peer times out.		
Raising condition: ('Operational State' EQUAL 'Timed Out')		
Clearing condition: ('Operational State' NOT EQUAL 'Timed Out')		
Remedial action: Check the peer router, fix the BFD connection		

Table 14-11 BfdInterfaceConnectionDown

Alarm	Attributes	Applicable major NE releases
Name: BfdInterfaceConnectionDown (3330) Type: serviceAlarm (16) Package: vrrp Raised on class: vrrp.BfdInterface	Severity: minor Implicitly cleared: true Default probable cause: bfdSessionDown (346)	<ul style="list-style-type: none"> 6.1
Description: The alarm is raised when the Operational State of a BFD session is Not Connected.		
Raising condition: ('Operational State' NOT EQUAL 'Operational')		
Clearing condition: ('Operational State' EQUAL 'Operational')		
Remedial action: Check the BFD interface configuration, fix the BFD connection		

Table 14-12 BfdInterfaceConnectionPeerDetectsDown

Alarm	Attributes	Applicable major NE releases
Name: BfdInterfaceConnectionPeerDetectsDown (3331) Type: serviceAlarm (16) Package: vrrp Raised on class: vrrp.BfdInterface	Severity: minor Implicitly cleared: true Default probable cause: bfdSessionConnectionPeerDetectsDown (594)	<ul style="list-style-type: none"> 6.1
Description: The alarm is raised when a BFD peer detects a connection timeout.		
Raising condition: ('Operational State' EQUAL 'Down')		
Clearing condition: ('Operational State' NOT EQUAL 'Down')		
Remedial action: Fix the BFD connection		

Table 14-13 BgpDown

Alarm	Attributes	Applicable major NE releases
Name: BgpDown (6) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> 5.0 6.1
Description: The alarm is raised when a BGP instance has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: The BGP protocol entity is down - administratively disable BGP and re-enable. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 14-14 BITS2NotQualified

Alarm	Attributes	Applicable major NE releases
Name: BITS2NotQualified (1941) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: timingReferenceNotQualified (418)	<ul style="list-style-type: none"> 5.0 6.1
Description: The alarm is raised when the BITS-2 timing reference on an NE is not in the Qualified state.		
Raising condition: (('Qualified For Use' EQUAL 'Not Qualified') AND ('Input Administrative State' NOT EQUAL 'Down'))		
Clearing condition: (('Qualified For Use' NOT EQUAL 'Not Qualified') OR ('Input Administrative State' EQUAL 'Down'))		
Remedial action: Make sure that BITS2 is qualified		

Table 14-15 BITSNotQualified

Alarm	Attributes	Applicable major NE releases
Name: BITSNotQualified (547) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: timingReferenceNotQualified (418)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when the BITS timing reference on an NE is not in the Qualified state.		
Raising condition: (('Qualified For Use' EQUAL 'Not Qualified') AND ('Output Administrative State' NOT EQUAL 'Down'))		
Clearing condition: (('Qualified For Use' NOT EQUAL 'Not Qualified') OR ('Output Administrative State' EQUAL 'Down'))		
Remedial action: Make sure that BITS is qualified		

Table 14-16 BITSReferenceLossOfSignal

Alarm	Attributes	Applicable major NE releases
Name: BITSReferenceLossOfSignal (1950) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: BITSReferenceLossOfSignal (938)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when the BITS reference on an NE is not qualified due to Loss of Signal.		
Raising condition: (('Not Qualified Due To'anyBit'LOS'))		
Clearing condition: NOT (('Not Qualified Due To'anyBit'LOS'))		
Remedial action: Make sure that peer connected to BITS is properly configured.		

Table 14-17 BITSReferenceOutOfFrequency

Alarm	Attributes	Applicable major NE releases
Name: BITSReferenceOutOfFrequency (1951) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: BITSReferenceOutOfFrequency (939)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when the BITS Reference on an NE is not qualified due to Out of frequency.		
Raising condition: (('Not Qualified Due To'anyBit'OOF'))		
Clearing condition: NOT (('Not Qualified Due To'anyBit'OOF'))		
Remedial action: Make sure that frequency configured for BITS is correct.		

Table 14-18 BITSReferenceOutOfPollInRange

Alarm	Attributes	Applicable major NE releases
Name: BITSReferenceOutOfPollInRange (1952) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: BITSReferenceOutOfPollInRange (940)	<ul style="list-style-type: none"> 5.0 6.1
Description: The alarm is raised when the BITS Reference on an NE is not qualified state due to Out of poll in range.		
Raising condition: (('Not Qualified Due To anyBit'OOPIR'))		
Clearing condition: NOT (('Not Qualified Due To anyBit'OOPIR'))		
Remedial action: Check the BITS is configured correctly. Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary		

Table 14-19 BootableConfigBackupFailed

Alarm	Attributes	Applicable major NE releases
Name: BootableConfigBackupFailed (103) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> 5.0 6.1
Description: The alarm is raised when the 5620 SAM fails to back up a set of NE configuration files.		
Raising condition: ('Backup State' EQUAL 'Failure')		
Clearing condition: ('Backup State' EQUAL 'Success')		
Remedial action: Investigation is required to resolve the following possible scenarios: insufficient disk space is available to accommodate the NE configuration files (additional SAM platform alarms will accompany this alarm); the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

Table 14-20 BootableConfigRestoreFailed

Alarm	Attributes	Applicable major NE releases
Name: BootableConfigRestoreFailed (104) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> 5.0 6.1
Description: The alarm is raised when the 5620 SAM fails to restore a set of NE configuration files.		
Raising condition: ('Restore State' EQUAL 'Failure')		
Clearing condition: ('Restore State' EQUAL 'Success')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: Investigation is required to resolve the following possible scenarios: the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

(2 of 2)

Table 14-21 BootParametersMisconfigured

Alarm	Attributes	Applicable major NE releases
Name: BootParametersMisconfigured (35) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: persistentIndexFailure (30) Applicable probable causes: <ul style="list-style-type: none"> • persistentIndexFailure • configFileBootFailure 	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when the SNMP Index Boot Status on an NE is not set to Persistent.		
Raising condition: (('isGenericNode' EQUAL 'false') AND ('State' NOT EQUAL 'Pre-provisioned') AND (('Config File Status' NOT EQUAL 'Executed Successfully') OR ('Persistent Index Status' NOT EQUAL 'Rebuild Succeeded')))		
Clearing condition: (('Config File Status' EQUAL 'Executed Successfully') AND ('Persistent Index Status' EQUAL 'Rebuild Succeeded'))		
Remedial action: Ensure that "SNMP Index Boot Status" is persistent (using cli command "show system information" on the NE). If not, unmanage the network element from SAM, ensure that "persist on" is set in the bof file, save the bof, save a config file, verify that an index file (.ndx) is saved as well, reboot the router, verify that SNMP Index Boot Status is persistent and finally remanage the router from SAM.		

Table 14-22 BundleDown

Alarm	Attributes	Applicable major NE releases
Name: BundleDown (152) Type: equipmentAlarm (3) Package: bundle Raised on class: bundle.Interface	Severity: critical Implicitly cleared: true Default probable cause: bundleDown (128)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when the bundle Administrative State is Up and the Operational State is Down.		
Raising condition: (('Protection Type' EQUAL 'None') AND ('Administrative State' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up') AND ('specificCardType' NOT EQUAL '16 x E1 (ASAP)'))		
Clearing condition: (('Protection Type' NOT EQUAL 'None') OR ('operationalState' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: Informational - no corrective action required.		

Table 14-23 CesBfrOverrun

Alarm	Attributes	Applicable major NE releases
Name: CesBfrOverrun (448) Type: communicationsAlarm (4) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: major Implicitly cleared: true Default probable cause: bufferOverrun (322)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when the 5620 SAM detects a jitter buffer overrun.		
Raising condition: (('Report Alarm Status'anyBit'Buffer Overrun') AND ('Report Alarm'anyBit'Buffer Overrun'))		
Clearing condition: NOT (((('Report Alarm Status'anyBit'Buffer Overrun') AND ('Report Alarm'anyBit'Buffer Overrun'))))		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 14-24 CesBfrUnderrun

Alarm	Attributes	Applicable major NE releases
Name: CesBfrUnderrun (449) Type: communicationsAlarm (4) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: major Implicitly cleared: true Default probable cause: bufferOverrun (322)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when the 5620 SAM detects a jitter buffer underrun.		
Raising condition: (('Report Alarm Status'anyBit'Buffer Underrun') AND ('Report Alarm'anyBit'Buffer Underrun'))		
Clearing condition: NOT (((('Report Alarm Status'anyBit'Buffer Underrun') AND ('Report Alarm'anyBit'Buffer Underrun'))))		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 14-25 CesMalformedPkts

Alarm	Attributes	Applicable major NE releases
Name: CesMalformedPkts (446) Type: communicationsAlarm (4) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: major Implicitly cleared: true Default probable cause: malformedPackets (320)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when the 5620 SAM detects one or more malformed packets.		
Raising condition: (('Report Alarm Status'anyBit'Malformed Packets') AND ('Report Alarm'anyBit'Malformed Packets'))		
Clearing condition: NOT (((('Report Alarm Status'anyBit'Malformed Packets') AND ('Report Alarm'anyBit'Malformed Packets'))))		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 14-26 CesPktLoss

Alarm	Attributes	Applicable major NE releases
Name: CesPktLoss (447) Type: communicationsAlarm (4) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: major Implicitly cleared: true Default probable cause: lossOfPacket (321)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when the 5620 SAM detects a packet loss.		
Raising condition: (('Report Alarm Status'anyBit'Packet Loss') AND ('Report Alarm'anyBit'Packet Loss'))		
Clearing condition: NOT (((('Report Alarm Status'anyBit'Packet Loss') AND ('Report Alarm'anyBit'Packet Loss'))		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 14-27 CesRmtPktLoss

Alarm	Attributes	Applicable major NE releases
Name: CesRmtPktLoss (450) Type: communicationsAlarm (4) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: minor Implicitly cleared: true Default probable cause: farEndLossOfPacket (323)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when the 5620 SAM detects a remote packet loss.		
Raising condition: (('Report Alarm Status'anyBit'Remote Packet Loss') AND ('Report Alarm'anyBit'Remote Packet Loss'))		
Clearing condition: NOT (((('Report Alarm Status'anyBit'Remote Packet Loss') AND ('Report Alarm'anyBit'Remote Packet Loss'))		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 14-28 CesRmtRdi

Alarm	Attributes	Applicable major NE releases
Name: CesRmtRdi (452) Type: configurationAlarm (11) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: minor Implicitly cleared: false Default probable cause: farEndRdi (325)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when the 5620 SAM detects a remote RDI.		
Raising condition: (('Report Alarm Status'anyBit'Remote RDI') AND ('Report Alarm'anyBit'Remote RDI'))		
Clearing condition: NOT (((('Report Alarm Status'anyBit'Remote RDI') AND ('Report Alarm'anyBit'Remote RDI'))		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 14-29 CesRmtTdmFault

Alarm	Attributes	Applicable major NE releases
Name: CesRmtTdmFault (451) Type: configurationAlarm (11) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: minor Implicitly cleared: false Default probable cause: tdmFarEndFault (324)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when the 5620 SAM detects a remote TDM fault.		
Raising condition: (('Report Alarm Status'anyBit'Remote TDM Fault') AND ('Report Alarm'anyBit'Remote TDM Fault'))		
Clearing condition: NOT (((('Report Alarm Status'anyBit'Remote TDM Fault') AND ('Report Alarm'anyBit'Remote TDM Fault'))))		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 14-30 CesStrayPkts

Alarm	Attributes	Applicable major NE releases
Name: CesStrayPkts (445) Type: communicationsAlarm (4) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: minor Implicitly cleared: true Default probable cause: strayPackets (319)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when the 5620 SAM detects received stray packets.		
Raising condition: (('Report Alarm Status'anyBit'Stray Packets') AND ('Report Alarm'anyBit'Stray Packets'))		
Clearing condition: NOT (((('Report Alarm Status'anyBit'Stray Packets') AND ('Report Alarm'anyBit'Stray Packets'))))		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 14-31 ClientDelegateServerStatus

Alarm	Attributes	Applicable major NE releases
Name: ClientDelegateServerStatus (731) Type: communicationsAlarm (4) Package: server Raised on class: server.ClientDelegateServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when a client delegate server is unreachable.		
Raising condition: ('Server Status' EQUAL 'Down')		
Clearing condition: ('Server Status' EQUAL 'Up')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the client delegate platform and SAM servers is unreliable or the client delegate server itself is unreliable.		

Table 14-32 ConcurrentSessionExceedsHigh

Alarm	Attributes	Applicable major NE releases
Name: ConcurrentSessionExceedsHigh (5401) Type: thresholdCrossed (6) Package: netw Raised on class: netw.NetworkElement	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> 6.1
Description: This alarm is raised when the concurrent security session count exceeds its high watermark. Cleared when it reaches its low watermark again; the watermarks are derived from the limit specified in hi-water-mark and low-water-mark.		
Remedial action: This alarm is raised when the concurrent security session count exceeds its high watermark. Cleared when it reaches its low watermark again; the watermarks are derived from the limit specified in hi-water-mark and low-water-mark.		

Table 14-33 ConcurrentSessionExhausted

Alarm	Attributes	Applicable major NE releases
Name: ConcurrentSessionExhausted (5402) Type: thresholdCrossed (6) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> 6.1
Description: This alarm is raised when the concurrent security session count reaches the system limit. The concurrent session limit can be read in 'Concurrent Active Session Limit'		
Remedial action: This alarm is raised when the concurrent security session count reaches the system limit. The concurrent session limit can be read in 'Concurrent Active Session Limit'		

Table 14-34 ContainingEquipmentAdministrativelyDown

Alarm	Attributes	Applicable major NE releases
Name: ContainingEquipmentAdministrativelyDown (466) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: minor Implicitly cleared: true Default probable cause: containingEquipmentAdministrativelyDown (330)	<ul style="list-style-type: none"> 5.0 6.1
Description: The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentAdministrativelyDown.		
Raising condition: (('Status' EQUAL 'Parent Admin Down') AND ('isTerminatable' EQUAL 'true'))		
Clearing condition: (('Status' NOT EQUAL 'Parent Admin Down') OR ('isTerminatable' NOT EQUAL 'true'))		
Remedial action: Informational - no corrective action required.		

Table 14-35 ContainingEquipmentMismatch

Alarm	Attributes	Applicable major NE releases
Name: ContainingEquipmentMismatch (464) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentMismatch (328)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentMismatch.		
Raising condition: (('Status' EQUAL 'Parent Type Mismatch') AND ('isTerminatable' EQUAL 'true'))		
Clearing condition: (('Status' NOT EQUAL 'Parent Type Mismatch') OR ('isTerminatable' NOT EQUAL 'true'))		
Remedial action: A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

Table 14-36 ContainingEquipmentOperationallyDown

Alarm	Attributes	Applicable major NE releases
Name: ContainingEquipmentOperationallyDown (465) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentDown (329)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentOperationallyDown.		
Raising condition: (('Status' EQUAL 'Parent Oper Down') AND ('isTerminatable' EQUAL 'true'))		
Clearing condition: (('Status' NOT EQUAL 'Parent Oper Down') OR ('isTerminatable' NOT EQUAL 'true'))		
Remedial action: The operational state of the equipment element indicated in the alarm is down. This may be due to the element's administrative state or it may indicate that the element has failed.		

Table 14-37 CorruptImageFile

Alarm	Attributes	Applicable major NE releases
Name: CorruptImageFile (171) Type: configurationAlarm (11) Package: mediation Raised on class: mediation.AbstractSoftwareFolderDescriptor	Severity: critical Implicitly cleared: true Default probable cause: invalidOrCorruptImageFile (134)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when one or more files in the 5620 SAM software image specified for a device software upgrade is invalid, corrupt or absent. The 5620 SAM validates a device software file set before it imports the file set and distributes it to an NE. Ensure that the file set downloads properly to the NE and is not tampered with before you re-attempt the upgrade. The alarm clears when a valid file set is on the NE and the 5620 SAM activates the software image in the file set.		
Raising condition: ('isImageValid' EQUAL 'false')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: ('isImageValid' EQUAL 'true')		
Remedial action: The existing SW image in the SAM database should be replaced with an image that is known to be complete and valid.		

(2 of 2)

Table 14-38 DataChannelAlarmIndicationSignal

Alarm	Attributes	Applicable major NE releases
Name: DataChannelAlarmIndicationSignal (3944) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DataChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: alarmIndicationSignal (96)	<ul style="list-style-type: none"> 5.0 6.1
Description: The alarm is raised when an NE reports that a data channel has an AIS alarm condition.		
Raising condition: (('Report Alarm Status'anyBit'Alarm Indication Signal') AND ('Report Alarm'anyBit'Alarm Indication Signal'))		
Clearing condition: NOT (((('Report Alarm Status'anyBit'Alarm Indication Signal') AND ('Report Alarm'anyBit'Alarm Indication Signal'))))		
Remedial action: The Cpipe Service running on this CODIR VT card need fixing. Make the Cpipe error free.		

Table 14-39 DataChannelLossOfSignal

Alarm	Attributes	Applicable major NE releases
Name: DataChannelLossOfSignal (3946) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DataChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: lossOfSignal (99)	<ul style="list-style-type: none"> 5.0 6.1
Description: The alarm is raised when an NE reports that a date channel has an LOS condition.		
Raising condition: (('Report Alarm Status'anyBit'Loss Of Signal') AND ('Report Alarm'anyBit'Loss Of Signal'))		
Clearing condition: NOT (((('Report Alarm Status'anyBit'Loss Of Signal') AND ('Report Alarm'anyBit'Loss Of Signal'))))		
Remedial action: The Cpipe Service running on this VT card need fixing. Make the Cpipe error free.		

Table 14-40 DataChannelRemoteAlarmIndication

Alarm	Attributes	Applicable major NE releases
Name: DataChannelRemoteAlarmIndication (3947) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DataChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: remoteAlarmIndication (574)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when an NE reports that a data channel has an RAI condition.		
Raising condition: (('Report Alarm Status'anyBit'Remote Alarm Indication') AND ('Report Alarm'anyBit'Remote Alarm Indication'))		
Clearing condition: NOT (((('Report Alarm Status'anyBit'Remote Alarm Indication') AND ('Report Alarm'anyBit'Remote Alarm Indication'))))		
Remedial action: The Cpipe Service running on this TPIF VT card need fixing. Make the Cpipe error free.		

Table 14-41 DDMAux1HighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMAux1HighAlarm (495) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: aux1HighAlarm (381)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when the manufacturer-specific Auxiliary 1 of the XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux1 High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux1 High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 14-42 DDMAux1HighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMAux1HighWarning (494) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: aux1HighWarning (380)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when the manufacturer-specific Auxiliary 1 of the XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux1 High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux1 High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 14-43 DDMAux1LowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMAux1LowAlarm (493) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: aux1LowAlarm (379)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when the manufacturer-specific Auxiliary 1 of the XFP reaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux1 Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux1 Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 14-44 DDMAux1LowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMAux1LowWarning (492) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: aux1LowWarning (378)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when the manufacturer-specific Auxiliary 1 of the XFP approaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux1 Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux1 Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 14-45 DDMAux2HighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMAux2HighAlarm (499) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: aux2HighAlarm (385)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when the manufacturer-specific Auxiliary 2 of the XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux2 High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux2 High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 14-46 DDMAux2HighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMAux2HighWarning (498) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: aux2HighWarning (384)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when the manufacturer-specific Auxiliary 2 of the XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux2 High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux2 High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 14-47 DDMAux2LowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMAux2LowAlarm (497) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: aux2LowAlarm (383)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when the manufacturer-specific Auxiliary 2 of the XFP reaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux2 Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux2 Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 14-48 DDMAux2LowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMAux2LowWarning (496) Type: communicatiothresholdAlarmnsAlarm (50) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: aux2LowWarning (382)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when the manufacturer-specific Auxiliary 2 of the XFP approaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux2 Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux2 Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 14-49 DDMRxOpticalPowerHighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMRxOpticalPowerHighAlarm (491) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: rxOpticalPowerHighAlarm (377)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when the received optical power of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBitRx Optical Power High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBitRx Optical Power High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 14-50 DDMRxOpticalPowerHighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMRxOpticalPowerHighWarning (490) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: rxOpticalPowerHighWarning (376)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when the received optical power of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBitRx Optical Power High Warning')		
Clearing condition: NOT (('failedThresholds'anyBitRx Optical Power High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 14-51 DDMRxOpticalPowerLowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMRxOpticalPowerLowAlarm (489) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: rxOpticalPowerLowAlarm (375)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when the received optical power of an SFP or XFP reaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBitRx Optical Power Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBitRx Optical Power Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 14-52 DDMRxOpticalPowerLowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMRxOpticalPowerLowWarning (488) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: rxOpticalPowerLowWarning (374)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when the received optical power of an SFP or XFP approaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBitRx Optical Power Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBitRx Optical Power Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 14-53 DDMSupplyVoltageHighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMSupplyVoltageHighAlarm (479) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: supplyVoltageHighAlarm (365)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when the supply voltage of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBitSupply Voltage High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBitSupply Voltage High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 14-54 DDMSupplyVoltageHighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMSupplyVoltageHighWarning (478) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: supplyVoltageHighWarning (364)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when the supply voltage of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBitSupply Voltage High Warning')		
Clearing condition: NOT (('failedThresholds'anyBitSupply Voltage High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 14-55 DDMSupplyVoltageLowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMSupplyVoltageLowAlarm (477) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: supplyVoltageLowAlarm (363)	<ul style="list-style-type: none"> 5.0 6.1
Description: The alarm is raised when the supply voltage of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Supply Voltage Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Supply Voltage Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 14-56 DDMSupplyVoltageLowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMSupplyVoltageLowWarning (476) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: supplyVoltageLowWarning (362)	<ul style="list-style-type: none"> 5.0 6.1
Description: The alarm is raised when the supply voltage of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Supply Voltage Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Supply Voltage Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 14-57 DDMTemperatureHighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTemperatureHighAlarm (475) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: temperatureHighAlarm (361)	<ul style="list-style-type: none"> 5.0 6.1
Description: The alarm is raised when the temperature of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Temperature High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Temperature High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 14-58 DDMTemperatureHighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTemperatureHighWarning (474) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: temperatureHighWarning (360)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when the temperature of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Temperature High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Temperature High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 14-59 DDMTemperatureLowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTemperatureLowAlarm (473) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: temperatureLowAlarm (359)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when the temperature of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Temperature Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Temperature Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 14-60 DDMTemperatureLowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTemperatureLowWarning (472) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: temperatureLowWarning (358)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when the temperature of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Temperature Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Temperature Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 14-61 DDMTxBiasCurrentHighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTxBiasCurrentHighAlarm (483) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: txBiasCurrentHighAlarm (369)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when the transmit bias current of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Bias Current High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Bias Current High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 14-62 DDMTxBiasCurrentHighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTxBiasCurrentHighWarning (482) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: txBiasCurrentHighWarning (368)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when the transmit bias current of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Bias Current High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Bias Current High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 14-63 DDMTxBiasCurrentLowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTxBiasCurrentLowAlarm (481) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: txBiasCurrentLowAlarm (367)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when the transmit bias current of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Bias Current Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Bias Current Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 14-64 DDMTxBiasCurrentLowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTxBiasCurrentLowWarning (480) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: txBiasCurrentLowWarning (366)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when the transmit bias current of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Bias Current Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Bias Current Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 14-65 DDMTxOutputPowerHighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTxOutputPowerHighAlarm (487) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: txOutputPowerHighAlarm (373)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when the output power of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Output Power High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Output Power High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 14-66 DDMTxOutputPowerHighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTxOutputPowerHighWarning (486) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: txOutputPowerHighWarning (372)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when the output power of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Output Power High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Output Power High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 14-67 DDMtxOutputPowerLowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMtxOutputPowerLowAlarm (485) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: txOutputPowerLowAlarm (371)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when the output power of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Output Power Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Output Power Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 14-68 DDMtxOutputPowerLowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMtxOutputPowerLowWarning (484) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: txOutputPowerLowWarning (370)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when the output power of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Output Power Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Output Power Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 14-69 downgradedCardAlarm

Alarm	Attributes	Applicable major NE releases
Name: downgradedCardAlarm (256) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: downgradedCard (195)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when an IOM is not upgraded or reset after a device software upgrade of both CPMs. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
Raising condition: ('operationalState' EQUAL 'Downgrade')		
Clearing condition: ('operationalState' EQUAL 'Up')		
Remedial action: Informational - no corrective action required.		

Table 14-70 DS1E1AlarmIndicationSignal

Alarm	Attributes	Applicable major NE releases
Name: DS1E1AlarmIndicationSignal (112) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: alarmIndicationSignal (96)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when an NE reports that a specific DS1 or E1 channel has an AIS alarm condition.		
Raising condition: (('Outstanding Alarms'anyBit'Alarm Indication Signal') AND ('Report Alarms'anyBit'Alarm Indication Signal'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Alarm Indication Signal') AND ('Report Alarms'anyBit'Alarm Indication Signal'))))		
Remedial action: Informational only.		

Table 14-71 DS1E1Looped

Alarm	Attributes	Applicable major NE releases
Name: DS1E1Looped (126) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: farEndLoopback (102)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when an NE reports that a specific DS1 or E1 channel has a remote loopback alarm condition.		
Raising condition: (('Outstanding Alarms'anyBit'Far end wants the near end to loopback') AND ('Report Alarms'anyBit'Far end wants the near end to loopback'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Far end wants the near end to loopback') AND ('Report Alarms'anyBit'Far end wants the near end to loopback'))))		
Remedial action: Informational only.		

Table 14-72 DS1E1LossOfSignal

Alarm	Attributes	Applicable major NE releases
Name: DS1E1LossOfSignal (124) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: lossOfSignal (99)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when an NE reports that a specific DS1 or E1 channel has an LOS alarm condition.		
Raising condition: (('Outstanding Alarms'anyBit'Loss of Signal') AND ('Report Alarms'anyBit'Loss of Signal'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Loss of Signal') AND ('Report Alarms'anyBit'Loss of Signal'))))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: Informational only.		

(2 of 2)

Table 14-73 DS1E1OutOfFrame

Alarm	Attributes	Applicable major NE releases
Name: DS1E1OutOfFrame (125) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: outOfFrame (100)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when an NE reports that a specific DS1 or E1 channel has an OOF alarm condition.		
Raising condition: (('Outstanding Alarms'anyBit'Out Of Frame') AND ('Report Alarms'anyBit'Out Of Frame'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Out Of Frame') AND ('Report Alarms'anyBit'Out Of Frame'))		
Remedial action: Informational only.		

Table 14-74 DS1E1ResourceAvailabilityIndicator

Alarm	Attributes	Applicable major NE releases
Name: DS1E1ResourceAvailabilityIndicator (114) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: resourceAvailabilityIndicator (98)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when an NE reports that a specific DS1 or E1 channel has an RAI alarm condition.		
Raising condition: (('Outstanding Alarms'anyBit'Resource Availability Indicator') AND ('Report Alarms'anyBit'Resource Availability Indicator'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Resource Availability Indicator') AND ('Report Alarms'anyBit'Resource Availability Indicator'))		
Remedial action: Informational only.		

Table 14-75 DS1E1SignalDegradation

Alarm	Attributes	Applicable major NE releases
Name: DS1E1SignalDegradation (500) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: signalDegradation (386)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when an NE reports that a specific DS1 or E1 channel has an SD alarm condition.		
Raising condition: (('Outstanding Alarms'anyBit'Signal Degradation') AND ('Report Alarms'anyBit'Signal Degradation'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'Signal Degradation') AND ('Report Alarms'anyBit'Signal Degradation'))		
Remedial action: Informational only.		

Table 14-76 DS1E1SignalFailure

Alarm	Attributes	Applicable major NE releases
Name: DS1E1SignalFailure (501) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: signalFailure (387)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when an NE reports that a specific DS1 or E1 channel has an SF alarm condition.		
Raising condition: (('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))		
Remedial action: Informational only.		

Table 14-77 DS3E3AlarmIndicationSignal

Alarm	Attributes	Applicable major NE releases
Name: DS3E3AlarmIndicationSignal (115) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS3E3ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: alarmIndicationSignal (96)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when an NE reports that a specific DS3 or E3 channel has an AIS alarm condition.		
Raising condition: (('Outstanding Alarms'anyBit'Alarm Indication Signal') AND ('Report Alarms'anyBit'Alarm Indication Signal'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'Alarm Indication Signal') AND ('Report Alarms'anyBit'Alarm Indication Signal'))		
Remedial action: Informational only.		

Table 14-78 DS3E3Looped

Alarm	Attributes	Applicable major NE releases
Name: DS3E3Looped (120) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS3E3ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: farEndLoopback (102)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when an NE reports that a specific DS3 or E3 channel has a remote loopback alarm condition.		
Raising condition: (('Outstanding Alarms'anyBit'Far end wants the near end to loopback') AND ('Report Alarms'anyBit'Far end wants the near end to loopback'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'Far end wants the near end to loopback') AND ('Report Alarms'anyBit'Far end wants the near end to loopback'))		
Remedial action: Informational only.		

Table 14-79 DS3E3LossOfSignal

Alarm	Attributes	Applicable major NE releases
Name: DS3E3LossOfSignal (116) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS3E3ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: lossOfSignal (99)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when an NE reports that a specific DS3 or E3 channel has an LOS alarm condition.		
Raising condition: (('Outstanding Alarms'anyBit'Loss of Signal') AND ('Report Alarms'anyBit'Loss of Signal'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'Loss of Signal') AND ('Report Alarms'anyBit'Loss of Signal'))		
Remedial action: Informational only.		

Table 14-80 DS3E3OutOfFrame

Alarm	Attributes	Applicable major NE releases
Name: DS3E3OutOfFrame (117) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS3E3ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: outOfFrame (100)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when an NE reports that a specific DS3 or E3 channel has an OOF alarm condition.		
Raising condition: (('Outstanding Alarms'anyBit'Out Of Frame') AND ('Report Alarms'anyBit'Out Of Frame'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'Out Of Frame') AND ('Report Alarms'anyBit'Out Of Frame'))		
Remedial action: Informational only.		

Table 14-81 DS3E3ResourceAvailability

Alarm	Attributes	Applicable major NE releases
Name: DS3E3ResourceAvailability (119) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS3E3ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: resourceAvailabilityIndicator (98)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when an NE reports that a specific DS3 or E3 channel has an RAI alarm condition.		
Raising condition: (('Outstanding Alarms'anyBit'Resource Availability Indicator') AND ('Report Alarms'anyBit'Resource Availability Indicator'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Resource Availability Indicator') AND ('Report Alarms'anyBit'Resource Availability Indicator'))		
Remedial action: Informational only.		

Table 14-82 EfmOamAlarm

Alarm	Attributes	Applicable major NE releases
Name: EfmOamAlarm (4617) Type: equipmentAlarm (3) Package: ethernetequipment Raised on class: ethernetequipment.Dot3Oam	Severity: minor Implicitly cleared: true Default probable cause: EFMOAMOperationalstateOutOfService (1886)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when EFM Ignore status is Enabled, and Physical port Administrative State is Down.		
Raising condition: ('Ignore EFM State' EQUAL 'true')		
Clearing condition: ('Ignore EFM State' EQUAL 'true')		
Remedial action: The alarm is raised when EFM Ignore status is Enabled, and Physical port Administrative State is Down.		

Table 14-83 EquipmentAdministrativelyDown

Alarm	Attributes	Applicable major NE releases
Name: EquipmentAdministrativelyDown (455) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: minor Implicitly cleared: true Default probable cause: equipmentAdministrativelyDown (326)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentAdministrativelyDown.		
Raising condition: ('compositeEquipmentState' EQUAL 'Admin Down')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Admin Down')		
Remedial action: Informational - no corrective action required.		

Table 14-84 EquipmentDown

Alarm	Attributes	Applicable major NE releases
Name: EquipmentDown (10) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: inoperableEquipment (8)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentOperationallyDown.		
Raising condition: ('compositeEquipmentState' EQUAL 'Oper Down')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Oper Down')		
Remedial action: This alarm indicates that a card in the NE has failed. The card must be replaced.		

Table 14-85 EquipmentFailure

Alarm	Attributes	Applicable major NE releases
Name: EquipmentFailure (145) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.ReplaceableUnit	Severity: critical Implicitly cleared: true Default probable cause: cardFailure (123)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when a control processor or power-supply tray reports a failure. When the object type is ControlProcessor, a CPM may be unable to boot. When the object type is Power Supply Tray and the alarm is raised during device discovery, a power-supply tray may be out of service. When the object type is a Power Supply Tray and the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
Raising condition: ('operationalState' EQUAL 'Failed')		
Clearing condition: ('operationalState' NOT EQUAL 'Failed')		
Remedial action: If the alarm indicates that the CPM card has a fault, remove the card and reset it. If this does not clear the alarm then please contact Alcatel-Lucent support for assistance. If the alarm indicates that the Power Supply tray is out of service ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 14-86 EquipmentInTest

Alarm	Attributes	Applicable major NE releases
Name: EquipmentInTest (11) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: warning Implicitly cleared: true Default probable cause: equipmentInTest (9)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when equipment enters a diagnostic state.		
Raising condition: ('compositeEquipmentState' EQUAL 'In Test')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'In Test')		

(1 of 2)

14 – Alcatel-Lucent 7705 SAR H alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: Informational - no corrective action required.		

(2 of 2)

Table 14-87 EquipmentMismatch

Alarm	Attributes	Applicable major NE releases
Name: EquipmentMismatch (9) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: equipmentTypeMismatch (7)	<ul style="list-style-type: none"> 5.0 6.1
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMismatch.		
Raising condition: ('compositeEquipmentState' EQUAL 'Type Mismatch')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Type Mismatch')		
Remedial action: A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

Table 14-88 EquipmentRemoved

Alarm	Attributes	Applicable major NE releases
Name: EquipmentRemoved (8) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: replaceableEquipmentRemoved (6)	<ul style="list-style-type: none"> 5.0 6.1
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMissing.		
Raising condition: (('compositeEquipmentState' EQUAL 'Removed') AND ('isEquipmentInserted' EQUAL 'true'))		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Removed')		
Remedial action: Informational - this alarm is raised when a card is removed.		

Table 14-89 EthernetPortConfiguredLoopback

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortConfiguredLoopback (801) Type: configurationAlarm (11) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: warning Implicitly cleared: true Default probable cause: ethernetPortConfiguredLoopback (567)	<ul style="list-style-type: none"> 5.0 6.1

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when a timed loopback is in effect for an Ethernet port.		
Raising condition: (('Type' NOT EQUAL 'None'))		
Clearing condition: (('Type' EQUAL 'None'))		
Remedial action: This alarm has been raised by the node because "Timed Loopback" option of the specific port's Ethernet property has been enabled. To resolve this problem from "Ethernet" tab of "Physical Port" properties form configure "Timed Loopback" Type property as "None".		

(2 of 2)

Table 14-90 EthernetPortDuplicateLane

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortDuplicateLane (3557) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: DuplicateLane (1387)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when a device reports a Duplicate Lane on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 14-91 EthernetPortHighBer

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortHighBer (307) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when a device reports a high bit-error rate on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))))		
Remedial action: One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 14-92 EthernetPortLocalFault

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortLocalFault (305) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: LocalFault (236)	<ul style="list-style-type: none"> 5.0 6.1
Description: The alarm is raised when a device reports a local fault on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))		
Remedial action: One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 14-93 EthernetPortNoAmLock

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortNoAmLock (3558) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoAmLock (1388)	<ul style="list-style-type: none"> 5.0 6.1
Description: The alarm is raised when a device reports a No Am Lock on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 14-94 EthernetPortNoBlockLock

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortNoBlockLock (3559) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoBlockLock (1389)	<ul style="list-style-type: none"> 5.0 6.1
Description: The alarm is raised when a device reports a No Block Lock on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock'))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: NOT (((('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock'))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

(2 of 2)

Table 14-95 EthernetPortNoFrameLock

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortNoFrameLock (306) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoFrameLock (237)	<ul style="list-style-type: none"> 5.0 6.1
Description: The alarm is raised when a device reports No Frame Lock on an Ethernet port.		
Raising condition: ((('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock'))		
Remedial action: One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 14-96 EthernetPortRemoteFault

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortRemoteFault (304) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: RemoteFault (235)	<ul style="list-style-type: none"> 5.0 6.1
Description: The alarm is raised when a device reports a remote fault on an Ethernet port.		
Raising condition: ((('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault'))		
Remedial action: One of the following conditions exists on the remote physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 14-97 EthernetPortSignalFailure

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortSignalFailure (303) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: SignalFailure (234)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when a device reports a signal failure on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))))		
Remedial action: One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 14-98 ExternalTimingReferenceNotQualified

Alarm	Attributes	Applicable major NE releases
Name: ExternalTimingReferenceNotQualified (548) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: timingReferenceNotQualified (418)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when the External timing reference on an NE is not in the Qualified state.		
Raising condition: (('Qualified For Use' EQUAL 'Not Qualified') AND ('Administrative State' NOT EQUAL 'Down'))		
Clearing condition: (('Qualified For Use' NOT EQUAL 'Not Qualified') OR ('Administrative State' EQUAL 'Down'))		
Remedial action: Informational		

Table 14-99 ForwardingTableSizeLimitReached

Alarm	Attributes	Applicable major NE releases
Name: ForwardingTableSizeLimitReached (164) Type: resourceAlarm (28) Package: I2fwd Raised on class: I2fwd.SiteFib	Severity: major Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when the number of MAC address entries in the FIB reaches or exceeds the VPLS site high watermark specified by I2fwd.SiteFib.highWatermark. The alarm clears when the number of MAC address entries in the FIB drops below the VPLS site low watermark specified by I2fwd.SiteFib.lowWatermark. The alarm can be raised against a VPLS site, L2 access interface, or spoke SDP binding.		
Raising condition: (('Entries' >= 'Size') OR ('Entries' >= (('High Watermark' * 'Size') / 100.0)))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: (('Entries' < 'Size') AND (('High Watermark' EQUAL '0L') OR ('Entries' < (('Low Watermark' * 'Size') / 100.0))) AND (('Low Watermark' EQUAL '0L') OR ('Entries' < (('Low Watermark' * 'Size') / 100.0))))		
Remedial action: Informational		

(2 of 2)

Table 14-100 FrameSizeProblem (netw)

Alarm	Attributes	Applicable major NE releases
Name: FrameSizeProblem (37) Type: configurationAlarm (11) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: frameSizeProblem (33)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when a provisioned MTU size value is greater than the supported MTU size value.		
Raising condition: (('mtuMismatch' EQUAL 'true') AND ('portId' NOT EQUAL '0L'))		
Clearing condition: (('mtuMismatch' EQUAL 'false') OR ('portId' EQUAL '0L'))		
Remedial action: A configuration error has been made which must be corrected. The MTU value must be changed such that is less than or equal to the supported MTU size value.		

Table 14-101 FrameSizeProblem (svt)

Alarm	Attributes	Applicable major NE releases
Name: FrameSizeProblem (37) Type: configurationAlarm (11) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: frameSizeProblem (33)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when a provisioned MTU size value is greater than the supported MTU size value.		
Raising condition: (('Operational State' EQUAL 'MTU Mismatch') OR ('Operational State' EQUAL 'Tunnel MTU Too Small'))		
Clearing condition: (('Operational State' NOT EQUAL 'MTU Mismatch') AND ('Operational State' NOT EQUAL 'Tunnel MTU Too Small'))		
Remedial action: The MTU value must be changed such that is less than or equal to the supported MTU size value.		

Table 14-102 FWSessionExceededAlarm

Alarm	Attributes	Applicable major NE releases
Name: FWSessionExceededAlarm (4619) Type: firewallAlarm (128) Package: firewall Raised on class: firewall.Site	Severity: critical Implicitly cleared: true Default probable cause: FWMaxSessionExceeded (1889)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when Max Sessions for firewall is exceeded.		
Raising condition: (('Total Sessions' EQUAL '10000'))		
Clearing condition: (('Total Sessions' NOT EQUAL '10000'))		
Remedial action: Please reduce the number of currently running sessions on Firewall.		

Table 14-103 GaPeerDown

Alarm	Attributes	Applicable major NE releases
Name: GaPeerDown (3303) Type: EpcAlarm (59) Package: Iteggsn Raised on class: Iteggsn.GaPeer	Severity: major Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when the path management state of a Ga peer changes to a state other than Up.		
Raising condition: ('Path Management State' NOT EQUAL 'Active')		
Clearing condition: ('Path Management State' EQUAL 'Active')		
Remedial action: A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

Table 14-104 GroupDown

Alarm	Attributes	Applicable major NE releases
Name: GroupDown (69) Type: ProtocolAlarm (1) Package: rip Raised on class: rip.Group	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 6.1
Description: The alarm is raised when a RIP group has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
Clearing condition: (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
Remedial action: The RIP Group is down while it is administratively up. Please check RIP related configuration e.g., the RIP is not shutdown.		

Table 14-105 IgmpDown

Alarm	Attributes	Applicable major NE releases
Name: IgmpDown (158) Type: ProtocolAlarm (1) Package: igmp Raised on class: igmp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> 6.1
Description: The alarm is raised when an IGMP site has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: While configured under VPRN, check if VPRN site is admin down, or if route distinguisher is not configured.		

Table 14-106 IncompleteConfiguration

Alarm	Attributes	Applicable major NE releases
Name: IncompleteConfiguration (1942) Type: operationalViolation (93) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: incompleteConfig (225)	<ul style="list-style-type: none"> 5.0 6.1
Description: The alarm is raised when a pre-provisioned NE has no objects configured beneath it.		
Raising condition: (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' EQUAL '\'))		
Clearing condition: (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' NOT EQUAL '\'))		
Remedial action: A configuration error has been made which must be corrected. The configuration of the pre-provisioned NE is incomplete. A work order was not associated with the pre-provisioned NE and as a consequence the attempt to auto-configure the NE failed.		

Table 14-107 IncorrectNeighborConfig

Alarm	Attributes	Applicable major NE releases
Name: IncorrectNeighborConfig (609) Type: configurationAlarm (11) Package: aps Raised on class: aps.ApsGroup	Severity: major Implicitly cleared: true Default probable cause: incorrectNeighborConfig (452)	<ul style="list-style-type: none"> 6.1
Description: The alarm is raised when the peer does not exist or the neighbor address does not point to a network interface on the NE that contains the peer object.		
Raising condition: (('Type' EQUAL 'MultiChassis') AND ('Neighbor match' EQUAL 'false'))		
Clearing condition: (('Type' EQUAL 'SingleChassis') OR ('Neighbor match' EQUAL 'true'))		
Remedial action: Make sure a peer exist and the neighbor address points to a network interface on the NE that contains the peer object.		

Table 14-108 InstanceDown (vrrp)

Alarm	Attributes	Applicable major NE releases
Name: InstanceDown (284) Type: configurationAlarm (11) Package: vrrp Raised on class: vrrp.AbstractInstance	Severity: major Implicitly cleared: true Default probable cause: instanceDown (216)	<ul style="list-style-type: none"> 6.1
Description: The alarm is raised when the 5620 SAM detects that a VRRP instance is operationally down.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: Check the instance configuration		

Table 14-109 InterfaceDown (netw)

Alarm	Attributes	Applicable major NE releases
Name: InterfaceDown (36) Type: InterfaceAlarm (13) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> 5.0 6.1
Description: The alarm is raised when an interface or underlying resource fails, as indicated by an interface compositeState attribute value of failed or underlyingResourceFailed.		
Raising condition: (('compositeState' EQUAL 'Inoperable') OR ('compositeState' EQUAL 'Underlying Resource Inoperable'))		
Clearing condition: (('compositeState' NOT EQUAL 'Inoperable') AND ('compositeState' NOT EQUAL 'Underlying Resource Inoperable'))		
Remedial action: A physical port (physical interface, LAG, channel) associated with the network interface in not operation. Ensure that the interface is cabled and that there isn't a configuration error (i.e. MTU size set incorrectly) on the interface. Once the issue w		

Table 14-110 IPSeclsaGrpDown

Alarm	Attributes	Applicable major NE releases
Name: IPSeclsaGrpDown (3745) Type: equipmentAlarm (3) Package: isa Raised on class: isa.IPSeclsaGroup	Severity: major Implicitly cleared: true Default probable cause: IPSeclsaGrpDown (1480)	<ul style="list-style-type: none"> 6.1
Description: The alarm is raised when the Operational State of an ISA IPsec group is Down and the Administrative State is Up.		
Raising condition: (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
Clearing condition: (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: The operational state of the ISA-Tunnel Group is down, despite the administrative state being up. Check that the configured ISA-Tunnel Group Member MDA(s) are active and operationally up. There may be a fault with the ISA Application IPSec(Tunnel) Group.		

(2 of 2)

Table 14-111 IPSecTunnelBfdConnectionBroken

Alarm	Attributes	Applicable major NE releases
Name: IPSecTunnelBfdConnectionBroken (831) Type: serviceAlarm (16) Package: ipsec Raised on class: ipsec.IPSecTunnelBfd	Severity: minor Implicitly cleared: true Default probable cause: bfdSessionConnectionBroken (593)	<ul style="list-style-type: none"> 6.1
Description: The alarm is raised when the BFD connection to a peer times out.		
Raising condition: ('Operational State' EQUAL 'Timed Out')		
Clearing condition: ('Operational State' NOT EQUAL 'Timed Out')		
Remedial action: Check if the route to the BFD peer exist and is up.		

Table 14-112 IPSecTunnelBfdConnectionDown

Alarm	Attributes	Applicable major NE releases
Name: IPSecTunnelBfdConnectionDown (832) Type: serviceAlarm (16) Package: ipsec Raised on class: ipsec.IPSecTunnelBfd	Severity: minor Implicitly cleared: true Default probable cause: bfdSessionDown (346)	<ul style="list-style-type: none"> 6.1
Description: The alarm is raised when the Operational State of a BFD session is Not Connected.		
Raising condition: ('Operational State' NOT EQUAL 'Operational')		
Clearing condition: ('Operational State' EQUAL 'Operational')		
Remedial action: Check if the route to the BFD peer exist and is up.		

Table 14-113 IPSecTunnelBfdConnectionPeerDetectsDown

Alarm	Attributes	Applicable major NE releases
Name: IPSecTunnelBfdConnectionPeerDetectsDown (833) Type: serviceAlarm (16) Package: ipsec Raised on class: ipsec.IPSecTunnelBfd	Severity: minor Implicitly cleared: true Default probable cause: bfdSessionConnectionPeerDetectsDown (594)	<ul style="list-style-type: none"> 6.1

(1 of 2)

14 – Alcatel-Lucent 7705 SAR H alarms

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when a BFD peer detects a connection timeout.		
Raising condition: ('Operational State' EQUAL 'Down')		
Clearing condition: ('Operational State' NOT EQUAL 'Down')		
Remedial action: Check if the route to the BFD peer exist and is up.		

(2 of 2)

Table 14-114 IPSecTunnelDown

Alarm	Attributes	Applicable major NE releases
Name: IPSecTunnelDown (834) Type: serviceAlarm (16) Package: ipsec Raised on class: ipsec.IPSecTunnel	Severity: major Implicitly cleared: true Default probable cause: tunnelDown (23)	<ul style="list-style-type: none"> 6.1
Description: The alarm is raised when the IPsec tunnel Operational State changes to Down and the Administrative State is Up.		
Raising condition: (('Operational State' NOT EQUAL 'Up') AND ('Administrative State' EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: Fix the errors indicated in operational flag.		

Table 14-115 IsisAdjacencyDown

Alarm	Attributes	Applicable major NE releases
Name: IsisAdjacencyDown (153) Type: adjacencyAlarm (31) Package: isis Raised on class: isis.Interface	Severity: minor Implicitly cleared: true Default probable cause: IsisInterfaceDown (232)	<ul style="list-style-type: none"> 5.0 6.1
Description: The alarm is raised when an IS-IS interface has no adjacencies, for example, because the IS-IS protocol on the remote site is down.		
Raising condition: (('Adjacency Count' EQUAL '0L') AND ('interfaceClass' NOT EQUAL 'System') AND ('Passive' NOT EQUAL 'True'))		
Clearing condition: (('Adjacency Count' > '0L') OR ('Passive' EQUAL 'True'))		
Remedial action: Check remote site to see if corresponding IS-IS interface is configured and admin up.		

Table 14-116 IsisDown

Alarm	Attributes	Applicable major NE releases
Name: IsisDown (19) Type: ProtocolAlarm (1) Package: isis Raised on class: isis.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when an IS-IS site has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: The protocol is not working anymore, could be a problem with IP addresses, resources on the device, ...		

Table 14-117 IsisInterfaceDown

Alarm	Attributes	Applicable major NE releases
Name: IsisInterfaceDown (301) Type: ProtocolAlarm (1) Package: isis Raised on class: isis.Interface	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when an IS-IS interface has an Operational State other than Up.		
Raising condition: ('Operational State' EQUAL 'Down')		
Clearing condition: ('Operational State' NOT EQUAL 'Down')		
Remedial action: Check if underlying port is down, or associated network interface is down.		

Table 14-118 KeepAliveProblem

Alarm	Attributes	Applicable major NE releases
Name: KeepAliveProblem (100) Type: oamAlarm (18) Package: svt Raised on class: svt.Tunnel	Severity: warning Implicitly cleared: true Default probable cause: keepAliveFailed (86)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when the 5620 SAM detects a keep-alive protocol status of senderIdInvalid or responderIdError.		
Raising condition: (('Keep-Alive State' NOT EQUAL 'Disabled') AND ('Keep-Alive State' NOT EQUAL 'Alive') AND ('Keep-Alive State' NOT EQUAL 'Unknown'))		
Clearing condition: (('Keep-Alive State' EQUAL 'Disabled') OR ('Keep-Alive State' EQUAL 'Alive') OR ('Keep-Alive State' EQUAL 'Unknown'))		
Remedial action: Check the configuration of this tunnel and underlying physical transport.		

Table 14-119 LabelProblem

Alarm	Attributes	Applicable major NE releases
Name: LabelProblem (98) Type: CircuitAlarm (17) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: labelProblem (84)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when an ingress or an egress label is missing.		
Raising condition: (('Operational State' EQUAL 'No Egress Label') OR ('Operational State' EQUAL 'No Ingress Label') OR ('Operational State' EQUAL 'No Labels'))		
Clearing condition: (('Operational State' NOT EQUAL 'No Egress Label') AND ('Operational State' NOT EQUAL 'No Ingress Label') AND ('Operational State' NOT EQUAL 'No Labels'))		
Remedial action: An ingress or egress label is missing for the SDP binding.		

Table 14-120 LagPortAddFailed

Alarm	Attributes	Applicable major NE releases
Name: LagPortAddFailed (422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: warning Implicitly cleared: true Default probable cause: linkDown (315)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when the Lag Port Add function Fails.		
Raising condition: (('state' EQUAL 'Link Down') AND ('LAG ID' > '0'))		
Clearing condition: (('state' NOT EQUAL 'Link Down') OR ('LAG ID' EQUAL '0'))		
Remedial action: A configuration error has occurred which must be corrected. The link that was to be added to the LAG group may be of the wrong type (i.e. non ethernet) or the limit of the number of links supported in a LAG may have been reached.		

Table 14-121 LdpDown

Alarm	Attributes	Applicable major NE releases
Name: LdpDown (22) Type: ProtocolAlarm (1) Package: ldp Raised on class: ldp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when an LDP site has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: Check operational state down reason and update accordingly.		

Table 14-122 LdpSessionNonexistent

Alarm	Attributes	Applicable major NE releases
Name: LdpSessionNonexistent (2954) Type: LdpSessionAlarm (101) Package: ldp Raised on class: ldp.Session	Severity: critical Implicitly cleared: true Default probable cause: LdpSessionDown (1149)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when an LDP session is non-existent.		
Raising condition: ('Session State' EQUAL 'Non-existent')		
Clearing condition: ('Session State' EQUAL 'Operational')		
Remedial action: Please check the LDP session path to make sure all associated protocols/interfaces/connections are OK.		

Table 14-123 LdpTargetedPeerDown

Alarm	Attributes	Applicable major NE releases
Name: LdpTargetedPeerDown (23) Type: ProtocolAlarm (1) Package: ldp Raised on class: ldp.TargetedPeer	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when an LDP targeted peer is operationally down.		
Raising condition: (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
Clearing condition: (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
Remedial action: Please check the route to LDP targeted peer to make sure all associated protocols/interfaces/connections are OK.		

Table 14-124 LicensedLimitExceeded

Alarm	Attributes	Applicable major NE releases
Name: LicensedLimitExceeded (127) Type: licensingAlarm (23) Package: security Raised on class: security.ProductLicense	Severity: critical Implicitly cleared: true Default probable cause: licensedLimitExceeded (106)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when the license items in the network exceeds 100 percent of the license capacity.		
Raising condition: ('Exceeded' EQUAL 'true')		
Clearing condition: ('Exceeded' NOT EQUAL 'true')		
Remedial action: Informational - The number of SAM licenses purchased and available on the SAM server is insufficient as compared to the number of NEs/MDA/Cells under management in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

Table 14-125 LineAlarmIndicationSignal

Alarm	Attributes	Applicable major NE releases
Name: LineAlarmIndicationSignal (84) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: lineAlarmIndicationSignal (70)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when a SONET port reports an LAIS error. The alarm corresponds to the lais alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'Line Alarm Indication Signal') AND ('Report Alarms'anyBit'Line Alarm Indication Signal'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Line Alarm Indication Signal') AND ('Report Alarms'anyBit'Line Alarm Indication Signal'))))		
Remedial action: Informational only.		

Table 14-126 LineErrorCondition

Alarm	Attributes	Applicable major NE releases
Name: LineErrorCondition (94) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: lineErrorCondition (80)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when a SONET port reports a line error condition that a remote NE raises because of b1 errors received from the local NE. The alarm corresponds to the lrei alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'Line Error Condition') AND ('Report Alarms'anyBit'Line Error Condition'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Line Error Condition') AND ('Report Alarms'anyBit'Line Error Condition'))))		
Remedial action: Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 14-127 LineRemoteDefectIndication

Alarm	Attributes	Applicable major NE releases
Name: LineRemoteDefectIndication (85) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: lineRemoteDefectIndication (71)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when a SONET port reports a line remote defect indication error caused by an LOF, LOC, or LOS condition. The alarm corresponds to the lrdi alarm on an NE.		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Raising condition: (('Outstanding Alarms'anyBit'Line Remote Defect Indication') AND ('Report Alarms'anyBit'Line Remote Defect Indication'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Line Remote Defect Indication') AND ('Report Alarms'anyBit'Line Remote Defect Indication'))))		
Remedial action: Informational only.		

(2 of 2)

Table 14-128 LinkDown

Alarm	Attributes	Applicable major NE releases
Name: LinkDown (12) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: portLinkProblem (10)	<ul style="list-style-type: none"> 5.0 6.1
Description: The alarm is raised when a port has no associated physical link or remote end point is operationally down.		
Raising condition: (('compositeEquipmentState' EQUAL 'Link Down') OR ('compositeEquipmentState' EQUAL 'Oper Down'))		
Clearing condition: (('compositeEquipmentState' NOT EQUAL 'Link Down') AND ('compositeEquipmentState' NOT EQUAL 'Oper Down'))		
Remedial action: Please make sure that port has physical link and remote end point is operationally up.		

Table 14-129 LossOfClock (sonetequipment)

Alarm	Attributes	Applicable major NE releases
Name: LossOfClock (83) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: lossOfClock (69)	<ul style="list-style-type: none"> 5.0 6.1
Description: The alarm is raised when a SONET port reports an LOC condition, which causes the NE to set the port Operational State to Down.		
Raising condition: (('Outstanding Alarms'anyBit'Loss of Clock') AND ('Report Alarms'anyBit'Loss of Clock'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Loss of Clock') AND ('Report Alarms'anyBit'Loss of Clock'))))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected.		

Table 14-130 LowTemperatureDetected

Alarm	Attributes	Applicable major NE releases
Name: LowTemperatureDetected (1127) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOvercooled (838)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when the chassis temperature falls below the minimum threshold.		
Raising condition: ('Low Temperature State' EQUAL 'Low')		
Clearing condition: ('Low Temperature State' NOT EQUAL 'Low')		
Remedial action: The NE has detected internal temperatures which are abnormally low. This may happen when the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 14-131 LspDown

Alarm	Attributes	Applicable major NE releases
Name: LspDown (25) Type: pathAlarm (12) Package: mpls Raised on class: mpls.Lsp	Severity: critical Implicitly cleared: true Default probable cause: LspDown (19)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when the Operational State of an LSP is Down, but the Administrative State is Up.		
Raising condition: (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
Clearing condition: (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
Remedial action: So many things can cause LSP down, check if source and destination interfaces are down, LSP path is down and the failure code, or MPLS path is down...		

Table 14-132 LspPathBypassTunnelActive

Alarm	Attributes	Applicable major NE releases
Name: LspPathBypassTunnelActive (264) Type: pathAlarm (12) Package: mpls Raised on class: mpls.LspPath	Severity: warning Implicitly cleared: true Default probable cause: LspPathReroutedToBypassTunnel (197)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when an LSP primary path is rerouted to the bypass tunnel. The alarm clears when the primary path returns to the original tunnel and the actual hop returns to the primary path.		
Raising condition: ('Bypass Tunnel Active' EQUAL 'true')		
Clearing condition: ('Bypass Tunnel Active' EQUAL 'false')		
Remedial action: There is a problem with the original path, check what is the problem and fix it if possible.		

Table 14-133 LspPathDown

Alarm	Attributes	Applicable major NE releases
Name: LspPathDown (26) Type: pathAlarm (12) Package: mpls Raised on class: mpls.LspPath	Severity: major Implicitly cleared: true Default probable cause: LspPathDown (20)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when an LSP path is operationally down.		
Raising condition: (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up') AND ('Type' EQUAL 'Standby'))		
Clearing condition: (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up') OR ('Type' EQUAL 'Secondary'))		
Remedial action: Check the failure code and update accordingly, e.g. whether MPLS/RSVP interfaces, OSPF interfaces are down.		

Table 14-134 macMoveRateExceeded (service)

Alarm	Attributes	Applicable major NE releases
Name: macMoveRateExceeded (3690) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: minor Implicitly cleared: true Default probable cause: MacMoveRateExceeded (1429)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site.		
Raising condition: ('State Cause'anyBit'Relearn Limit Exceeded')		
Clearing condition: NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		
Remedial action: Informational.		

Table 14-135 macMoveRateExceeded (svt)

Alarm	Attributes	Applicable major NE releases
Name: macMoveRateExceeded (3690) Type: SpokeSdpBindingAlarm (104) Package: svt Raised on class: svt.SpokeSdpBinding	Severity: minor Implicitly cleared: true Default probable cause: MacMoveRateExceeded (1429)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when the SDP exceeds the Service Site's MAC Move Frequency.		
Raising condition: ('operationalFlags'anyBit'Relearn Limit Exceeded')		
Clearing condition: NOT (('operationalFlags'anyBit'Relearn Limit Exceeded'))		
Remedial action: Check Service Site MAC move frequency or underlying physical link to understand issue.		

Table 14-136 macMoveRateExceededNonBlock (service)

Alarm	Attributes	Applicable major NE releases
Name: macMoveRateExceededNonBlock (4893) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: info Implicitly cleared: true Default probable cause: MacMoveRateExceededNonBlock (1951)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site when limitMacMove(sapTIsLimitMacMove) is set to 'nonBlocking'.		
Raising condition: ('State Cause'anyBit'Relearn Limit Exceeded')		
Clearing condition: NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		
Remedial action: Informational - User can adjust the value of 'MAC Move Maximum Rate' to reduce the frequency of this alarm.		

Table 14-137 macMoveRateExceededNonBlock (svt)

Alarm	Attributes	Applicable major NE releases
Name: macMoveRateExceededNonBlock (4893) Type: SpokeSdpBindingAlarm (104) Package: svt Raised on class: svt.SpokeSdpBinding	Severity: info Implicitly cleared: true Default probable cause: MacMoveRateExceededNonBlock (1951)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when the SDP exceeds the Service Site's MAC Move Frequency even when limitMacMove(sdpBindTIsLimitMacMove) is set to 'nonBlocking'.		
Raising condition: ('operationalFlags'anyBit'Relearn Limit Exceeded')		
Clearing condition: NOT (('operationalFlags'anyBit'Relearn Limit Exceeded'))		
Remedial action: Informational - User can adjust the value of 'MAC Move Maximum Rate' to reduce the frequency of this alarm.		

Table 14-138 MepAISReceivedAlarm

Alarm	Attributes	Applicable major NE releases
Name: MepAISReceivedAlarm (2945) Type: oamAlarm (18) Package: ethernetOam Raised on class: ethernetOam.Mep	Severity: variable Implicitly cleared: true Default probable cause: missingRemoteMep (388)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when a MEP Receives AIS test frames from one or more of its sub-layer MEPs.		
Raising condition: (('AIS Received (AisRx)' EQUAL 'true') AND ('Facility VLAN ID' EQUAL '0'))		
Clearing condition: ('AIS Received (AisRx)' EQUAL 'false')		
Remedial action: This alarm indicates that it has received a MEP fault from a sub-layer MEP, user should investigate the fault cause on the sub-layer MEP and resolve this root cause issue.		

Table 14-139 MldDown

Alarm	Attributes	Applicable major NE releases
Name: MldDown (587) Type: ProtocolAlarm (1) Package: mld Raised on class: mld.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> 6.1
Description: The alarm is raised when an MLD site has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: Check the base router and system are configured correctly.		

Table 14-140 MobileConnectorDown

Alarm	Attributes	Applicable major NE releases
Name: MobileConnectorDown (1064) Type: EpcAlarm (59) Package: Iteservice Raised on class: Iteservice.MobileServiceConnector	Severity: minor Implicitly cleared: true Default probable cause: EpcDown (519)	<ul style="list-style-type: none"> 5.0 6.1
Description: The alarm is raised when the 5620 SAM no longer manages the EPS path instance of this mobile service site. As a result, the service must be regenerated.		
Raising condition: ('EPS Path' EQUAL "\")		
Clearing condition: ('EPS Path' NOT EQUAL "\")		
Remedial action: The underlying transport network has gone down resulting in the deletion of a mobile service connector (EPS path). Correct the issue with the transport network and regenerate the mobile service connector by clicking on the re-calculate button on the mobile service properties form.		

Table 14-141 MplsDown

Alarm	Attributes	Applicable major NE releases
Name: MplsDown (27) Type: ProtocolAlarm (1) Package: mpls Raised on class: mpls.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> 5.0 6.1
Description: The alarm is raised when an MPLS site has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: Check operational down reason and update accordingly.		

Table 14-142 MplsPathUpdateFailed

Alarm	Attributes	Applicable major NE releases
Name: MplsPathUpdateFailed (1066) Type: pathAlarm (12) Package: mpls Raised on class: mpls.LspPath	Severity: major Implicitly cleared: true Default probable cause: mbbRetryExceeded (804) Applicable probable causes: <ul style="list-style-type: none"> • mbbRetryExceeded • lspPathGoingDown • startingHighPriMbb • restartingMbb • highPriMbbInProg 	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when an MPLS path update fails because of an MBB problem. The alarm clears when the MBB status changes to Successful.		
Raising condition: (('mbbStatus' NOT EQUAL 'None') AND ('mbbStatus' NOT EQUAL 'Successful'))		
Clearing condition: (('Last Performed State' EQUAL 'Success') OR ('Administrative' EQUAL 'Down') OR (('Operational' EQUAL 'Up') AND ('Last Performed State' EQUAL 'None')))		
Remedial action: Based on the probable cause, change the parameters and update the path again.		

Table 14-143 MvrSiteDown

Alarm	Attributes	Applicable major NE releases
Name: MvrSiteDown (162) Type: ProtocolAlarm (1) Package: layer2 Raised on class: layer2.MvrSite	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when MVR is disabled on an NE and a TLS VLAN or MVR VLAN service is provisioned on the NE.		
Raising condition: ('MVR Admin Status' EQUAL 'Disabled')		
Clearing condition: ('MVR Admin Status' EQUAL 'Enabled')		
Remedial action: To clear the alarm, enable MVR Admin Status under the Bridge Instance.		

Table 14-144 NeighborDown

Alarm	Attributes	Applicable major NE releases
Name: NeighborDown (121) Type: NeighborDown (20) Package: ospf Raised on class: ospf.AbstractNeighbor	Severity: major Implicitly cleared: true Default probable cause: NeighborDown (103)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when an OSPF interface neighbor is operationally Down.		
Raising condition: ('Operational State' NOT EQUAL 'full')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: ('Operational State' EQUAL 'full')		
Remedial action: This alarm is raised when the OSPF interface neighbor is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

(2 of 2)

Table 14-145 NeManagementAndTrapManagementMismatch

Alarm	Attributes	Applicable major NE releases
Name: NeManagementAndTrapManagementMismatch (1079) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: neManagementChange (817)	<ul style="list-style-type: none"> 5.0 6.1
Description: This user-defined alarm is raised when the NE configuration is one of the following: - The Active Management IP is set to Out Of Band, and the Primary Route Preference is set to In Band. - The Active Management IP is set to In Band, and the Primary Route Preference is set to Out of Band.		
Raising condition: (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only'))) AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only'))) AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'Out Of Band'))		
Clearing condition: (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only'))) AND ('Primary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only'))) AND ('Primary Route Preference' EQUAL 'Out Of Band'))		
Remedial action: A configuration error has been made which must be corrected. The parameters described in the description for this alarm must match.		

Table 14-146 NewSsh2ServerKeyDetected

Alarm	Attributes	Applicable major NE releases
Name: NewSsh2ServerKeyDetected (285) Type: communicationsAlarm (4) Package: security Raised on class: security.KnownHostKey	Severity: warning Implicitly cleared: true Default probable cause: ssh2ServerKeyMismatch (217)	<ul style="list-style-type: none"> 5.0 6.1
Description: The alarm is raised when a 5620 SAM main server detects a new public SSH key.		
Raising condition: ('SSH2 Server Key Status' EQUAL 'Mismatch SSH2 Host Key')		
Clearing condition: ('SSH2 Server Key Status' EQUAL 'Active SSH2 Host Key')		
Remedial action: Informational - possible security breach. The SSH key of the router is different from the one known to the SAM server.		

Table 14-147 NodeDatabaseFallbackDetected

Alarm	Attributes	Applicable major NE releases
Name: NodeDatabaseFallbackDetected (2923) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseFallback (1121)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when a configuration fallback is detected on the node and comes back up with a previous configuration. To correct this situation it might be necessary to reconfigure the node, or perform full resync its database with the 'fallback' configuration returned by the node.		
Raising condition: ('State' EQUAL 'Node Configuration Fallback')		
Clearing condition: ('State' EQUAL 'Managed')		
Remedial action: the NE has come back to a previous configuration. Perform a manual Full Resync or a Reconfigure of the NE		

Table 14-148 NodeDatabaseMisalignmentDetected

Alarm	Attributes	Applicable major NE releases
Name: NodeDatabaseMisalignmentDetected (2924) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseMisalignment (1122)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when a configuration misalignment has been detected on the node and comes back up with an unexpected configuration (configuration change triggered by external tool) To correct this situation it might be necessary to reconfigure the node with the 5620 SAM's old configuration or accept the new configuration received from the node.		
Raising condition: ('State' EQUAL 'Node Configuration Misalignment')		
Clearing condition: ('State' EQUAL 'Managed')		
Remedial action: the NE configuration is misaligned. Perform a resync in order to update SAM configuration according to the NE.		

Table 14-149 NodeSuspended

Alarm	Attributes	Applicable major NE releases
Name: NodeSuspended (5123) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: NodeSuspend (2057)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when the 5620 SAM detects an NE moved to suspend state as per user request.		
Raising condition: ('SNMP Reachability' EQUAL 'Suspended')		
Clearing condition: ('SNMP Reachability' NOT EQUAL 'Suspended')		
Remedial action: This alarm is raised when user suspends the network element. The alarm will be cleared when the network element is managed back.		

Table 14-150 NTPOperDown

Alarm	Attributes	Applicable major NE releases
Name: NTPOperDown (4879) Type: communicationsAlarm (4) Package: ntp Raised on class: ntp.NTP	Severity: info Implicitly cleared: true Default probable cause: NTPOperDown (1943)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is generated when the NTP Operational State is down for NTP.		
Raising condition: (('Operational State' EQUAL 'Down') AND ('NTP State' EQUAL 'Enabled'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('NTP State' EQUAL 'Disabled'))		
Remedial action: Please check if NTP is administratively enabled (Admin State in NTP General Tab). If admin state down, enable it to make NTP operationally up.		

Table 14-151 OrphanNodeDetected

Alarm	Attributes	Applicable major NE releases
Name: OrphanNodeDetected (4866) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.AdvertisedNode	Severity: major Implicitly cleared: true Default probable cause: nodeNotMangedByAnyEms (1934)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when node is node managed by any EMS after n retries(threshold crossed) it is manually cleared by the operator or when the node is discovered.		
Raising condition: ('state' EQUAL 'orphan')		
Remedial action: The NE is not managed by any SAM.Add an discory rule in order to managed it.		

Table 14-152 OspflnterfaceDown

Alarm	Attributes	Applicable major NE releases
Name: OspflnterfaceDown (141) Type: OspflnterfaceDown (24) Package: ospf Raised on class: ospf.Interface	Severity: warning Implicitly cleared: true Default probable cause: OspflnterfaceDown (112)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when an OSPF interface is operationally down.		
Raising condition: ('operationalState' EQUAL 'Down')		
Clearing condition: ('operationalState' NOT EQUAL 'Down')		
Remedial action: This alarm is raised when the OSPF interface is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 14-153 OverTemperatureDetected

Alarm	Attributes	Applicable major NE releases
Name: OverTemperatureDetected (388) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when the chassis temperature exceeds the maximum threshold value.		
Raising condition: ('Over Temperature State' EQUAL 'Over')		
Clearing condition: ('Over Temperature State' NOT EQUAL 'Over')		
Remedial action: The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 14-154 PartialResyncProblem

Alarm	Attributes	Applicable major NE releases
Name: PartialResyncProblem (4401) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: partialResyncProblem (1578)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when an Partial Resync on an NE fails. For example, when resyncing only some MIB entries as opposed to a full resync. The periodic reachability test (sysUpTime) is not considered a partial resync, neither is a full resync. However, a PartialResyncProblem alarm can only be reset by a FullResync.		
Raising condition: ('partialResyncStatus' EQUAL 'Partial Resync Failed')		
Clearing condition: ('partialResyncStatus' EQUAL 'Partial Resync Done')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE.		

Table 14-155 PeerConnectionDown (bgp)

Alarm	Attributes	Applicable major NE releases
Name: PeerConnectionDown (2) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.Peer	Severity: critical Implicitly cleared: true Default probable cause: connectionDown (2)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when a BGP peer has a Connection State other than Established, and the Administrative State of the BGP peer is Up.		
Raising condition: (('Connection State' NOT EQUAL 'Established') AND ('Administrative State' EQUAL 'Up'))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: (('Connection State' EQUAL 'Established') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: A mismatch in configuration may have occurred. Check the configuration of both peers to rule out a mismatched configuration.		

(2 of 2)

Table 14-156 PeerDown (bgp)

Alarm	Attributes	Applicable major NE releases
Name: PeerDown (1) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.Peer	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when a BGP peer has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: The BGP peer entity is down - administratively disable the BGP peer and re-enable it. If toggling the administrative state does not solve the problem check that the physical interface and network connection to the far end peer are up and operational. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 14-157 PeerGroupDown (bgp)

Alarm	Attributes	Applicable major NE releases
Name: PeerGroupDown (5) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.PeerGroup	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when a BGP peer group has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: The BGP peer group is down - administratively disable the BGP peer group and re-enable it. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 14-158 PeerLacIngressEgressFault

Alarm	Attributes	Applicable major NE releases
Name: PeerLacIngressEgressFault (2929) Type: PeerLacAlarm (98) Package: svt Raised on class: svt.SpokeSdpBinding	Severity: minor Implicitly cleared: true Default probable cause: peerPWStatusBitsChanged (1123)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when the Peer Status is Peer LAC Rx Fault and Peer LAC Tx Fault		
Raising condition: (('Peer State Cause'anyBit'Peer LAC Tx Fault') AND ('Peer State Cause'anyBit'Peer LAC Rx Fault'))		
Clearing condition: NOT (((('Peer State Cause'anyBit'Peer LAC Tx Fault') AND ('Peer State Cause'anyBit'Peer LAC Rx Fault'))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 14-159 PersistentIndexParametersMisconfigured

Alarm	Attributes	Applicable major NE releases
Name: PersistentIndexParametersMisconfigured (173) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: persistentIndexConfigurationMismatch (136)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when persistence is set to Off in the NE BOF.		
Raising condition: (('Persistent SNMP Indices' EQUAL 'False') OR (('hasRedundantProcessorCards' EQUAL 'true') AND ('Redundant Synchronization Mode' EQUAL 'None')))		
Clearing condition: (('Persistent SNMP Indices' EQUAL 'True') AND (('hasRedundantProcessorCards' EQUAL 'false') OR ('Redundant Synchronization Mode' NOT EQUAL 'None')))		
Remedial action: A configuration error has occurred that must be corrected. Use the CLI on the NE to enable persistency in the BOF. The discovery process will complete on the next discovery scan. A re-scan can be triggered immediately for the NE from within the discovery manager		

Table 14-160 PimDown

Alarm	Attributes	Applicable major NE releases
Name: PimDown (184) Type: ProtocolAlarm (1) Package: pim Raised on class: pim.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 6.1
Description: The alarm is raised when a PIM site is administratively Up but operationally Down. The alarm is cleared when the PIM site becomes operationally Up but administratively Down.		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: This should never happen. Contact Alcatel-Lucent Customer Support for assistance.		

(2 of 2)

Table 14-161 PollerProblem

Alarm	Attributes	Applicable major NE releases
Name: PollerProblem (31) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: resyncFailed (24)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
Raising condition: ('Resync Status' EQUAL 'Full Resync Failed')		
Clearing condition: ('Resync Status' EQUAL 'Full Resync Done')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 14-162 PowerSupplyFailure

Alarm	Attributes	Applicable major NE releases
Name: PowerSupplyFailure (633) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: critical Implicitly cleared: true Default probable cause: powerSupplyFailure (117)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when a power-supply tray reports a failure. When the alarm is raised during device discovery, a power-supply tray may be out of service. When the alarm is raised while the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
Raising condition: (('Power Supply 1 Status' EQUAL 'Not Equipped') OR ('Power Supply 1 Status' EQUAL 'Failed'))		
Clearing condition: (('Power Supply 1 Status' EQUAL 'OK'))		
Remedial action: Ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 14-163 PowerSupplyInputFeedDown

Alarm	Attributes	Applicable major NE releases
Name: PowerSupplyInputFeedDown (5422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: minor Implicitly cleared: true Default probable cause: powerSupplyInputFeedDown (2073)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: This alarm is generated if any one of the input feeds for a given power supply is not supplying power.		
Raising condition: (('Input Feed Status' EQUAL 'Input A Down') OR ('Input Feed Status' EQUAL 'Input B Down') OR (('Input Feed Status'allBits'Input A Down') AND ('Input Feed Status'allBits'Input B Down'))		
Clearing condition: ('Input Feed Status' EQUAL 'None')		
Remedial action: Restore all of the input feeds that are not supplying power.		

Table 14-164 PowerSupplyRemoved

Alarm	Attributes	Applicable major NE releases
Name: PowerSupplyRemoved (542) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: major Implicitly cleared: true Default probable cause: PowerSupplyRemoved (415)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when a chassis power supply is removed.		
Raising condition: ('Power Supply 1 Status' EQUAL 'Not Equipped')		
Clearing condition: ('Power Supply 1 Status' NOT EQUAL 'Not Equipped')		
Remedial action: To recover from this event, the customer is requested to add a new power supply to the system, or change a faulty power supply with a working one.		

Table 14-165 PppLoopbackDetected

Alarm	Attributes	Applicable major NE releases
Name: PppLoopbackDetected (362) Type: configurationAlarm (11) Package: ppp Raised on class: ppp.Interface	Severity: major Implicitly cleared: true Default probable cause: PppLoopbackDetected (259)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when the value of tmnxPppLocalMagicNumber is the same as the value of tmnxPppRemoteMagicNumber, which indicates that the link may be looped back.		
Raising condition: (('Local Magic Number' EQUAL 'Remote Magic Number') AND ('Local Magic Number' NOT EQUAL '0L'))		
Clearing condition: (('Local Magic Number' NOT EQUAL 'Remote Magic Number') OR ('Local Magic Number' EQUAL '0L'))		
Remedial action: Informational.		

Table 14-166 PrimaryImageBootFailure

Alarm	Attributes	Applicable major NE releases
Name: PrimaryImageBootFailure (191) Type: configurationAlarm (11) Package: sw Raised on class: sw.CardSoftware	Severity: warning Implicitly cleared: true Default probable cause: bootOptionFileMisconfigured (150)	<ul style="list-style-type: none"> 5.0 6.1
Description: The alarm is raised when the primary software image specified in an NE BOF is unusable.		
Raising condition: (('imageSource' NOT EQUAL 'Primary') AND ('imageSource' NOT EQUAL 'Unknown'))		
Clearing condition: (('imageSource' EQUAL 'Primary') OR ('imageSource' EQUAL 'Unknown'))		
Remedial action: The SW image on the NE may have been inadvertently corrupted. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

Table 14-167 PrimaryPathLimitReached

Alarm	Attributes	Applicable major NE releases
Name: PrimaryPathLimitReached (457) Type: resourceAlarm (28) Package: equipment Raised on class: equipment.DaughterCard	Severity: warning Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> 5.0 6.1
Description: The alarm is raised when the Ingress Multicast Path Management primary path bandwidth limit is reached.		
Raising condition: (('Primary Path Limit Override' > '0') AND ('Primary Path In use' >= (1000 * 'Primary Path Limit Override'))"		
Clearing condition: (('Primary Path Limit Override' > '0') AND ('Primary Path In use' < (1000 * 'Primary Path Limit Override'))		
Remedial action: Informational - The alarm is raised when the Ingress Multicast Path Management primary path bandwidth limit is reached. This can be remedied by modifying the primary path limit located at T1 Paths tab of the multicast bandwidth policy which assigned to the card, or increase the primary path limit override located at the Daughter Card tab under Daughter Card Slot form.		

Table 14-168 PTPNotQualified

Alarm	Attributes	Applicable major NE releases
Name: PTPNotQualified (3611) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPNotQualified (1400)	<ul style="list-style-type: none"> 5.0 6.1
Description: The alarm is raised when PTP on an NE is not in the Qualified state.		
Raising condition: (('Qualified For Use' EQUAL 'Not Qualified'))		
Clearing condition: (('Qualified For Use' NOT EQUAL 'Not Qualified'))		
Remedial action: Check the communication path is up between the local PTP slave clock and its selected master		

Table 14-169 PTPPeerLossOfAnnounce

Alarm	Attributes	Applicable major NE releases
Name: PTPPeerLossOfAnnounce (3608) Type: communicationsAlarm (4) Package: ptp Raised on class: ptp.IEEEPTPPeer	Severity: minor Implicitly cleared: true Default probable cause: PTPPeerLossOfAnnounce (1397)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when the PTP peer is in the 'Packet Timing Signal Fail (Loss Announce)' state. This indicates that the PTP announce messages are not received from the remote master.		
Raising condition: (('Master GM Alarms'anyBit'Loss of Announce'))		
Clearing condition: NOT (((('Master GM Alarms'anyBit'Loss of Announce'))))		
Remedial action: Please check if Configured Peer IP address is reachable (ping <Peer Ip>) from the this SR node and PTP configuration is proper.		

Table 14-170 PTPPeerLossOfSync

Alarm	Attributes	Applicable major NE releases
Name: PTPPeerLossOfSync (3609) Type: communicationsAlarm (4) Package: ptp Raised on class: ptp.IEEEPTPPeer	Severity: minor Implicitly cleared: true Default probable cause: PTPPeerLossOfSync (1398)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when the PTP peer is in the 'Packet Timing Signal Fail (Loss Sync)' state. This indicates that the PTP timing messages are not received from the remote master.		
Raising condition: (('Master GM Alarms'anyBit'Loss of Sync'))		
Clearing condition: NOT (((('Master GM Alarms'anyBit'Loss of Sync'))))		
Remedial action: Please check if Configured Peer IP address is reachable (ping <Peer Ip>) from the this SR node and PTP configuration is proper.		

Table 14-171 PTPReferenceLossOfSignal

Alarm	Attributes	Applicable major NE releases
Name: PTPReferenceLossOfSignal (3613) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPReferenceLossOfSignal (1402)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when the PTP reference on an NE is not qualified due to Loss of Signal.		
Raising condition: (('Not Qualified Due To'anyBit'LOS'))		
Clearing condition: NOT (((('Not Qualified Due To'anyBit'LOS'))))		
Remedial action: Check the communication path is up between the local PTP slave clock and its selected master		

Table 14-172 PTPReferenceOutOfFrequency

Alarm	Attributes	Applicable major NE releases
Name: PTPReferenceOutOfFrequency (3614) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPReferenceOutOfFrequency (1403)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when the PTP Reference on an NE is not qualified due to Out of frequency.		
Raising condition: (('Not Qualified Due To'anyBit'OOF'))		
Clearing condition: NOT (('Not Qualified Due To'anyBit'OOF'))		
Remedial action: Make sure that fequency configured for Reference One is correct.		

Table 14-173 PTPReferenceOutOfPollInRange

Alarm	Attributes	Applicable major NE releases
Name: PTPReferenceOutOfPollInRange (3615) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPReferenceOutOfPollInRange (1404)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when the PTP Reference on an NE is not qualified state due to Out of poll in range.		
Raising condition: (('Not Qualified Due To'anyBit'OOPIR'))		
Clearing condition: NOT (('Not Qualified Due To'anyBit'OOPIR'))		
Remedial action: If there is packet flow, the PTP slave clock is in it's initial acquiring states where the sync-if-timing reference does not qualify just wait.		

Table 14-174 RadiusOperStatusDown

Alarm	Attributes	Applicable major NE releases
Name: RadiusOperStatusDown (3692) Type: radiusOperStatusDownAlarm (105) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: radiusOperationStatusDown (1431)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when all RADIUS servers have gone down.		
Raising condition: ('Global RADIUS Operational State' EQUAL 'Down')		
Clearing condition: ('Global RADIUS Operational State' EQUAL 'Up')		
Remedial action: Verify the RADIUS server is properly configured and radius server state is up.Check the connectivity between SAM server and radius server configured on the Network element.		

Table 14-175 ReachabilityProblem

Alarm	Attributes	Applicable major NE releases
Name: ReachabilityProblem (243) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ReachabilityTestFailed (176)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when an Mediation poll of the SysUpTimeAlarm object on an NE fails, for example, because of network congestion or because the NE is too busy to respond. The probable cause is an unreachable NE Mediation agent on the NE. By default, the 5620 SAM polls a managed NE every two minutes. If a poll fails, the alarm is raised. The 5620 SAM polls the NE two minutes after the first failure. If successive polls fail, the 5620 SAM raises the polling interval for the NE by two minutes after each failure to a maximum of 12 min. The polling interval remains at 12 min until the 5620 SAM receives a response from the NE. The alarm clears when the 5620 SAM receives a response from the NE, and the 5620 SAM GUI icon that represents the NE turns from red to green.		
Raising condition: ('SNMP Reachability' EQUAL 'Down')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 14-176 ReconfigFailure

Alarm	Attributes	Applicable major NE releases
Name: ReconfigFailure (1949) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: failedReconfig (937)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: This alarm is raised when the reconfig action failed.		
Raising condition: ('State' EQUAL 'Failed')		
Clearing condition: ('State' NOT EQUAL 'Failed')		
Remedial action: Verify that the object is configured as expected.		

Table 14-177 RedundantMepMisconfiguration

Alarm	Attributes	Applicable major NE releases
Name: RedundantMepMisconfiguration (3631) Type: oamAlarm (18) Package: ethernetOam Raised on class: ethernetOam.Mep	Severity: minor Implicitly cleared: true Default probable cause: misconfiguredRedundantMep (1416)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when an Active and Redundant MEP do not have the same Id, Operational MAC Address or Sub Group configured.		
Raising condition: ('validRedundantMepConfig' EQUAL 'false')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: ('validRedundantMepConfig' EQUAL 'true')		
Remedial action: MC-LAG redundant MEP configuration (MEP ID or Mac Address) for Active & Standby Interfaces do not match, this could cause issues with CFM or CCM tests if Active interface changes. Delete and Re-create Standby MEP to match Active.		

(2 of 2)

Table 14-178 RedundantMepMissing

Alarm	Attributes	Applicable major NE releases
Name: RedundantMepMissing (3632) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: minor Implicitly cleared: true Default probable cause: missingRedundantMep (1417)	<ul style="list-style-type: none"> 5.0 6.1
Description: The alarm is raised when a MEP misses a redundant counterpart on LAG or SAP.		
Raising condition: (('MC-LAG Inactive' NOT EQUAL 'Not Applicable') AND ('Redundant MEP' EQUAL '\'))		
Clearing condition: (('MC-LAG Inactive' EQUAL 'Not Applicable') OR (('MC-LAG Inactive' NOT EQUAL 'Not Applicable') AND ('Redundant MEP' NOT EQUAL '\')))		
Remedial action: MC-LAG redundant MEP is missing Active & Standby Interfaces, this will cause issues with CFM or CCM tests if Active interface changes. Create missing Active/Standby MEP to match existing.		

Table 14-179 RemoteMepCCMAAlarm

Alarm	Attributes	Applicable major NE releases
Name: RemoteMepCCMAAlarm (502) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: major Implicitly cleared: true Default probable cause: missingRemoteMep (388)	<ul style="list-style-type: none"> 5.0 6.1
Description: The alarm is raised when a MEP loses connectivity with one or more remote MEPs. The Remote MEP DB State tab on a MEP lists the missing remote MEPs.		
Raising condition: ('High-Priority Defect' NOT EQUAL '0')		
Clearing condition: ('High-Priority Defect' EQUAL '0')		
Remedial action: MEP has lost communication with Remote MEP defined in Maintenance Association (MEG) Remote MEP list, Either Remote MEP list is incorrect or diagnose connection fault and resolve.		

Table 14-180 RipDown

Alarm	Attributes	Applicable major NE releases
Name: RipDown (72) Type: ProtocolAlarm (1) Package: rip Raised on class: rip.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when a RIP site has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: The RIP Site is down while it is administratively up. Please check the node e.g. IOM is not shutdown or installed.		

Table 14-181 RouteDistinguisherNotConfigured

Alarm	Attributes	Applicable major NE releases
Name: RouteDistinguisherNotConfigured (142) Type: configurationAlarm (11) Package: l3fwd Raised on class: l3fwd.ServiceSite	Severity: major Implicitly cleared: true Default probable cause: routeDistinguisherNotConfigured (113)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when no RD is configured for an L3 service site.		
Raising condition: ('routeDistinguisher' EQUAL "\00 00 00 00 00 00 00 00")		
Clearing condition: ('routeDistinguisher' NOT EQUAL "\00 00 00 00 00 00 00 00")		
Remedial action: A configuration error has occurred which must be corrected. The RD must be configured on the L3 Service Site in question.		

Table 14-182 RsvpDown

Alarm	Attributes	Applicable major NE releases
Name: RsvpDown (74) Type: ProtocolAlarm (1) Package: rsvp Raised on class: rsvp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when an RSVP site has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: The RSVP Site is down while it is administratively up. Please check MPLS is enabled and administratively up.		

Table 14-183 RxSectionSynchronizationError

Alarm	Attributes	Applicable major NE releases
Name: RxSectionSynchronizationError (93) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: rxSectionSynchronizationError (79)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when a SONET port reports a section synchronization failure. A section synchronization failure occurs when the S1 byte is inconsistent for eight consecutive frames.		
Raising condition: (('Outstanding Alarms'anyBit'RX Section Synchronization Error') AND ('Report Alarms'anyBit'RX Section Synchronization Error'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'RX Section Synchronization Error') AND ('Report Alarms'anyBit'RX Section Synchronization Error'))		
Remedial action: Check the link status between SONET Port and the source.		

Table 14-184 SaveConfigFailed

Alarm	Attributes	Applicable major NE releases
Name: SaveConfigFailed (105) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileAccessError (90)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when the admin save command on an NE fails.		
Raising condition: ('Config Save State' EQUAL 'Failure')		
Clearing condition: ('Config Save State' EQUAL 'Success')		
Remedial action: Attempt the admin save command a second time. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 14-185 ScheduledPollerProblem

Alarm	Attributes	Applicable major NE releases
Name: ScheduledPollerProblem (4386) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: scheduledResyncFailed (1569)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
Raising condition: ('Scheduled Resync Status' EQUAL 'Scheduled Resync Failed')		
Clearing condition: ('Scheduled Resync Status' EQUAL 'Scheduled Resync Done')		

(1 of 2)

14 – Alcatel-Lucent 7705 SAR H alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

(2 of 2)

Table 14-186 SdpBindingDown

Alarm	Attributes	Applicable major NE releases
Name: SdpBindingDown (221) Type: SdpBindingAlarm (30) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: SdpBindingNotReady (166)	<ul style="list-style-type: none"> 5.0 6.1
Description: The alarm is raised when an SDP binding has an Operational State other than Up.		
Raising condition: (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'Standby For BGP Multi-Homing'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'Standby For BGP Multi-Homing'))		
Remedial action: To resolve this alarm check the SDP binding to determine if a configuration mismatch exists. If configuration is determined to be correct then the associated network interface may be down. Further investigation is required to determine why the underlying network interface is down.		

Table 14-187 SdpBindingTunnelDown

Alarm	Attributes	Applicable major NE releases
Name: SdpBindingTunnelDown (222) Type: CircuitAlarm (17) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: SdpTunnelNotReady (167)	<ul style="list-style-type: none"> 5.0 6.1
Description: The alarm is raised when an SDP binding tunnel has an Operational State other than Up.		
Raising condition: (('Operational State' EQUAL 'Tunnel Not Ready') OR ('Operational State' EQUAL 'Tunnel Down'))		
Clearing condition: (('Operational State' NOT EQUAL 'Tunnel Not Ready') AND ('Operational State' NOT EQUAL 'Tunnel Down'))		
Remedial action: To resolve this alarm check the endpoints of the SDP binding to determine if a configuration mismatch exists. If configuration matches then the underlying network resource between the endpoints of the SDP may be down. Further investigation is required to determine why the underlying transport network is down.		

Table 14-188 SdpEgressIfsNetDomainInConsistent

Alarm	Attributes	Applicable major NE releases
Name: SdpEgressIfsNetDomainInConsistent (3616) Type: resourceAlarm (28) Package: svt Raised on class: svt.Tunnel	Severity: warning Implicitly cleared: true Default probable cause: sdpEgressIfsNetDomainInConsistent (1405)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when the SDP egress interface's consistency state changes to inconsistent.		
Raising condition: ('Egress Interfaces Consistency State' EQUAL '3')		
Clearing condition: ('Egress Interfaces Consistency State' EQUAL '2')		
Remedial action: To resolve this alarm check egress interfaces of the SDP configuration. If configuration is determined to be correct check underlying physical transport. Further investigation is required.		

Table 14-189 SecondaryPathLimitReached

Alarm	Attributes	Applicable major NE releases
Name: SecondaryPathLimitReached (458) Type: resourceAlarm (28) Package: equipment Raised on class: equipment.DaughterCard	Severity: warning Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when the Ingress Multicast Path Management secondary path bandwidth limit is reached.		
Raising condition: (('Secondary Path Limit Override' > '0') AND ('Secondary Path In use' >= (1000 * 'Secondary Path Limit Override'))"		
Clearing condition: (('Secondary Path Limit Override' > '0') AND ('Secondary Path In use' < (1000 * 'Secondary Path Limit Override'))"		
Remedial action: Informational - The alarm is raised when the Ingress Multicast Path Management secondary path bandwidth limit is reached. This can be remedied by modifying the secondary path limit located at T1 Paths tab of the multicast bandwidth policy which assigned to the card, or increase the secondary path limit override located at the Daughter Card tab under Daughter Card Slot form.		

Table 14-190 SectionB1Error

Alarm	Attributes	Applicable major NE releases
Name: SectionB1Error (87) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: sectionB1Error (73)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when a SONET port reports a section error condition that a remote NE raises because of b1 errors received from the local NE. The alarm corresponds to the lrei alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'Section B1 Error') AND ('Report Alarms'anyBit'Section B1 Error'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Section B1 Error') AND ('Report Alarms'anyBit'Section B1 Error'))		

(1 of 2)

14 – Alcatel-Lucent 7705 SAR H alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

(2 of 2)

Table 14-191 SectionLossOfFrame

Alarm	Attributes	Applicable major NE releases
Name: SectionLossOfFrame (90) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: sectionLossOfFrame (76)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when a SONET port reports a SLOF error. The alarm corresponds to the slof alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'Section Loss of Frame') AND ('Report Alarms'anyBit'Section Loss of Frame'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'Section Loss of Frame') AND ('Report Alarms'anyBit'Section Loss of Frame'))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected.		

Table 14-192 SectionLossOfSignal

Alarm	Attributes	Applicable major NE releases
Name: SectionLossOfSignal (91) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: sectionLossOfSignal (77)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when a SONET port reports a SLOS error. The alarm corresponds to the slos alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'Section Loss of Signal') AND ('Report Alarms'anyBit'Section Loss of Signal'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'Section Loss of Signal') AND ('Report Alarms'anyBit'Section Loss of Signal'))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected.		

Table 14-193 SectionS1Failure

Alarm	Attributes	Applicable major NE releases
Name: SectionS1Failure (86) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: sectionS1Failure (72)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when a SONET port reports a section synchronization failure. A section synchronization failure occurs when the S1 byte is inconsistent for eight consecutive frames.		
Raising condition: (('Outstanding Alarms'anyBit'Section S1 Failure') AND ('Report Alarms'anyBit'Section S1 Failure'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'Section S1 Failure') AND ('Report Alarms'anyBit'Section S1 Failure'))		
Remedial action: Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 14-194 SerialChannelOutOfFrame

Alarm	Attributes	Applicable major NE releases
Name: SerialChannelOutOfFrame (808) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.SerialChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: outOfFrame (100)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when an NE reports that a serial channel has an OOF alarm condition.		
Raising condition: (('Outstanding Alarms'anyBit'HCM Out Of Frame') AND ('Report Alarms'anyBit'HCM Out Of Frame'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'HCM Out Of Frame') AND ('Report Alarms'anyBit'HCM Out Of Frame'))		
Remedial action: The Cpipe Service running on this RS232 serial card need fixing. Make the Cpipe error free.		

Table 14-195 SerialChannelRemoteAlarmIndication

Alarm	Attributes	Applicable major NE releases
Name: SerialChannelRemoteAlarmIndication (809) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.SerialChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: remoteAlarmIndication (574)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when an NE reports that a serial channel has an RAI condition.		
Raising condition: (('Outstanding Alarms'anyBit'HCM Remote Alarm Indication') AND ('Report Alarms'anyBit'HCM Remote Alarm Indication'))		

(1 of 2)

14 – Alcatel-Lucent 7705 SAR H alarms

Alarm	Attributes	Applicable major NE releases
Clearing condition: NOT (((('Outstanding Alarms'anyBit'HCM Remote Alarm Indication') AND ('Report Alarms'anyBit'HCM Remote Alarm Indication'))))		
Remedial action: The Cpipe Service running on this RS232 serial card need fixing. Make the Cpipe error free.		

(2 of 2)

Table 14-196 ServiceSiteDown

Alarm	Attributes	Applicable major NE releases
Name: ServiceSiteDown (97) Type: serviceAlarm (16) Package: service Raised on class: service.Site	Severity: critical Implicitly cleared: true Default probable cause: siteDown (83)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when all SAPs on a site are operationally down, or when the service tunnels for the site are operationally down.		
Raising condition: (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'All Spoke SDP Bindings are Standby'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'All Spoke SDP Bindings are Standby'))		
Remedial action: The network resources (i.e. physical ports for SAPs, or physical ports/LSP) associated with the service site should be examined to determine if/why they are operationally down. The underlying transport network supporting the site may also be unreliable.		

Table 14-197 SessionDown

Alarm	Attributes	Applicable major NE releases
Name: SessionDown (73) Type: ProtocolAlarm (1) Package: rsvp Raised on class: rsvp.Session	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when an RSVP session is operationally down.		
Raising condition: ('Operational State' EQUAL 'Down')		
Clearing condition: ('Operational State' EQUAL 'Up')		
Remedial action: Please check the RSVP session path to make sure all associated protocols/interfaces/connections are OK.		

Table 14-198 SonetPathAlarmIndicationSignal

Alarm	Attributes	Applicable major NE releases
Name: SonetPathAlarmIndicationSignal (129) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathAlarmIndicationSignal (63)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when a SONET port reports a PAIS error. The alarm corresponds to the pais alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'Path Alarm Indication Signal') AND ('Report Alarms'anyBit'Path Alarm Indication Signal'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Path Alarm Indication Signal') AND ('Report Alarms'anyBit'Path Alarm Indication Signal'))))		
Remedial action: Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 14-199 SonetPathB3Error

Alarm	Attributes	Applicable major NE releases
Name: SonetPathB3Error (132) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathB3Error (66)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when a SONET port reports a path error condition because of b3 errors. The alarm corresponds to the prei alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'Path B3 error') AND ('Report Alarms'anyBit'Path B3 error'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Path B3 error') AND ('Report Alarms'anyBit'Path B3 error'))))		
Remedial action: Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 14-200 SonetPathLossOfCodegroupDelineationError

Alarm	Attributes	Applicable major NE releases
Name: SonetPathLossOfCodegroupDelineationError (248) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathLossOfCodegroupDelineationError (185)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when a SONET port reports a PLCD error. The alarm corresponds to the plcd alarm on an NE.		

(1 of 2)

14 – Alcatel-Lucent 7705 SAR H alarms

Alarm	Attributes	Applicable major NE releases
Raising condition: (('Outstanding Alarms'anyBit'Path Loss of Codegroup Delineation Error') AND ('Report Alarms'anyBit'Path Loss of Codegroup Delineation Error'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Path Loss of Codegroup Delineation Error') AND ('Report Alarms'anyBit'Path Loss of Codegroup Delineation Error'))))		
Remedial action: Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

(2 of 2)

Table 14-201 SonetPathLossOfPointer

Alarm	Attributes	Applicable major NE releases
Name: SonetPathLossOfPointer (130) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathLossOfPointer (64)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when a SONET port reports a PLOP error. The alarm corresponds to the plop alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'Path Loss of Pointer') AND ('Report Alarms'anyBit'Path Loss of Pointer'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Path Loss of Pointer') AND ('Report Alarms'anyBit'Path Loss of Pointer'))))		
Remedial action: Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 14-202 SonetPathPayloadMismatch

Alarm	Attributes	Applicable major NE releases
Name: SonetPathPayloadMismatch (133) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathPayloadMismatch (67)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when a SONET port reports a PPLM error on a channel, after which the channel is set operationally down. The alarm corresponds to the pplm alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'Path Payload Mismatch') AND ('Report Alarms'anyBit'Path Payload Mismatch'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Path Payload Mismatch') AND ('Report Alarms'anyBit'Path Payload Mismatch'))))		
Remedial action: Informational only.		

Table 14-203 SonetPathRemoteB3Error

Alarm	Attributes	Applicable major NE releases
Name: SonetPathRemoteB3Error (134) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathRemoteB3Error (68)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when a SONET port reports a path error condition that a remote NE raises because of b3 errors received from the local NE. The alarm corresponds to the prei alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'Path Remote B3 Error') AND ('Report Alarms'anyBit'Path Remote B3 Error'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Path Remote B3 Error') AND ('Report Alarms'anyBit'Path Remote B3 Error'))		
Remedial action: Check the remote NE is configured correctly and its physical layer cabling is operating correctly.		

Table 14-204 SonetPathRemoteDefectIndication

Alarm	Attributes	Applicable major NE releases
Name: SonetPathRemoteDefectIndication (131) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathRemoteDefectIndication (65)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when a SONET port reports a remote PAIS error. The alarm corresponds to the pais alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'Path Remote Defect Indication') AND ('Report Alarms'anyBit'Path Remote Defect Indication'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Path Remote Defect Indication') AND ('Report Alarms'anyBit'Path Remote Defect Indication'))		
Remedial action: Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 14-205 SonetPathUnequippedPathError

Alarm	Attributes	Applicable major NE releases
Name: SonetPathUnequippedPathError (143) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathUnequippedPathError (114)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when a SONET port reports a path unequipped error. The alarm corresponds to the Path Alarm Unequipped Path Error alarm on an NE.		

(1 of 2)

14 – Alcatel-Lucent 7705 SAR H alarms

Alarm	Attributes	Applicable major NE releases
Raising condition: (('Outstanding Alarms'anyBit'Path Alarm Unequipped Path Error') AND ('Report Alarms'anyBit'Path Alarm Unequipped Path Error'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Path Alarm Unequipped Path Error') AND ('Report Alarms'anyBit'Path Alarm Unequipped Path Error'))		
Remedial action: Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

(2 of 2)

Table 14-206 StatsRetrieveFailed

Alarm	Attributes	Applicable major NE releases
Name: StatsRetrieveFailed (244) Type: configurationAlarm (11) Package: sw Raised on class: sw.AccountingStatsRetrievalManager	Severity: major Implicitly cleared: false Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when the 5620 SAM main or auxiliary server cannot transfer an accounting file from an NE.		
Raising condition: (('Stats Retrieval State' NOT EQUAL 'Success') AND ('Stats Retrieval State' NOT EQUAL 'Not Attempted'))		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy or otherwise cannot respond to the 5620 SAM main or auxiliary server.		

Table 14-207 StpExceptionCondition

Alarm	Attributes	Applicable major NE releases
Name: StpExceptionCondition (297) Type: AccessInterfaceAlarm (32) Package: I2fwd Raised on class: I2fwd.AccessInterfaceStp	Severity: major Implicitly cleared: true Default probable cause: StpException (228)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when a SAP detects an STP exception condition, for example, one-way communication or a downstream loop. The alarm clears when the STP condition changes.		
Raising condition: (('STP Exception Condition' NOT EQUAL 'None') AND ('Administrative State' EQUAL 'Up'))		
Clearing condition: (('STP Exception Condition' EQUAL 'None') OR ('Administrative State' EQUAL 'Down'))		
Remedial action: Check 'STP Exception Condition' field for more details and fix the STP exception.		

Table 14-208 StpRootGuardViolation

Alarm	Attributes	Applicable major NE releases
Name: StpRootGuardViolation (503) Type: AccessInterfaceAlarm (32) Package: l2fwd Raised on class: l2fwd.AccessInterfaceStp	Severity: warning Implicitly cleared: true Default probable cause: spanningTreeTopologyChanged (331)	<ul style="list-style-type: none"> 5.0 6.1
Description: The alarm is raised when a SAP detects an STP root guard violation.		
Raising condition: ('Root Guard Violation' EQUAL 'true')		
Clearing condition: ('Root Guard Violation' NOT EQUAL 'true')		
Remedial action: Set 'Root Guard' to false if not necessary.		

Table 14-209 SubscriberSystemNextHopUsageHigh

Alarm	Attributes	Applicable major NE releases
Name: SubscriberSystemNextHopUsageHigh (5157) Type: thresholdCrossed (6) Package: netw Raised on class: netw.NetworkElement	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> 5.0 6.1
Description: The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit.		
Raising condition: ('IP Next Hop Usage High' EQUAL 'true')		
Clearing condition: ('IP Next Hop Usage High' EQUAL 'false')		
Remedial action: The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit. There is no immediate effect, but when the usage actually hits the limit, new hosts will not get their managed routes.		

Table 14-210 TemperatureThresholdCrossed

Alarm	Attributes	Applicable major NE releases
Name: TemperatureThresholdCrossed (7) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Environment	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> 5.0 6.1
Description: The alarm is raised when a temperature crosses a threshold.		
Raising condition: ('temperatureThresholdCrossed' EQUAL 'true')		
Clearing condition: ('temperatureThresholdCrossed' EQUAL 'false')		

(1 of 2)

14 – Alcatel-Lucent 7705 SAR H alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

(2 of 2)

Table 14-211 TmnxEqPortEtherLoopDetected

Alarm	Attributes	Applicable major NE releases
Name: TmnxEqPortEtherLoopDetected (461) Type: portEtherLoopDetected (48) Package: ethernetEquipment Raised on class: ethernetEquipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> 5.0 6.1
Description: The alarm is raised when a device detects a physical loop on an Ethernet port.		
Raising condition: (('Down When Looped Status' EQUAL 'Loop Detected'))		
Clearing condition: (('Down When Looped Status' EQUAL 'No Loop Detected'))		
Remedial action: An Ethernet port has been mis-cabled - please remove the loopback cable on the port.		

Table 14-212 TrapDestinationMisconfigured

Alarm	Attributes	Applicable major NE releases
Name: TrapDestinationMisconfigured (33) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: trapDestinationMisconfigured (26) Applicable probable causes: <ul style="list-style-type: none"> trapDestinationMisconfigured duplicateTrapLogId 	<ul style="list-style-type: none"> 5.0 6.1
Description: The alarm is raised when the 5620 SAM cannot be added to the NE's SNMP trap destinations.		
Raising condition: ('isTrapDestinationMisconfigured' EQUAL 'true')		
Clearing condition: ('isTrapDestinationMisconfigured' EQUAL 'false')		
Remedial action: A configuration error has been made which must be corrected. The SNMP trap destination on the NE must be configured to the IP address of the SAM server.		

Table 14-213 TrapReceivingFailure

Alarm	Attributes	Applicable major NE releases
Name: TrapReceivingFailure (1083) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: false Default probable cause: trapsWillNotBeSent (822)	<ul style="list-style-type: none"> 5.0 6.1
Description: This user-defined alarm is raised when the NE is unable to send traps because the NE configuration is one of the following: - The Management IP Selection is set to Out Of Band Only, the Primary Route Preference is set to In Band, and the Secondary Route Preference is set to None. - The Management IP Selection is set to In Band Only, the Primary Route Preference is set to Out Of Band, and the Secondary Route Preference is set to None.		
Raising condition: (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
Clearing condition: (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND ('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND ('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band'))))		
Remedial action: A configuration error has been made which must be corrected. The configuration error must be corrected per the discussion in the description for this alarm.		

Table 14-214 TrapRoutePreferenceRedundancyMissing

Alarm	Attributes	Applicable major NE releases
Name: TrapRoutePreferenceRedundancyMissing (1084) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: trapsRedundancyMissing (823)	<ul style="list-style-type: none"> 5.0 6.1
Description: The user-defined alarm is raised when NE management redundancy is configured without trap route preference redundancy.		
Raising condition: (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
Clearing condition: (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Secondary Route Preference' NOT EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Secondary Route Preference' NOT EQUAL 'None'))))		

(1 of 2)

14 – Alcatel-Lucent 7705 SAR H alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: A configuration error has been made which must be corrected. The IP address of the standby SAM server must be configured on the NE in question.		

(2 of 2)

Table 14-215 TunnelAdministrativelyDown (mpls)

Alarm	Attributes	Applicable major NE releases
Name: TunnelAdministrativelyDown (523) Type: pathAlarm (12) Package: mpls Raised on class: mpls.Tunnel	Severity: minor Implicitly cleared: true Default probable cause: tunnelAdministrativelyDown (333)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when the 5620 SAM detects that an MPLS path is administratively down.		
Raising condition: ('Administrative' NOT EQUAL 'Up')		
Clearing condition: ('Administrative' EQUAL 'Up')		
Remedial action: Turn up the corresponding MPLS path.		

Table 14-216 TunnelAdministrativelyDown (svt)

Alarm	Attributes	Applicable major NE releases
Name: TunnelAdministrativelyDown (523) Type: pathAlarm (12) Package: svt Raised on class: svt.Tunnel	Severity: minor Implicitly cleared: true Default probable cause: tunnelAdministrativelyDown (333)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when the 5620 SAM detects that a service tunnel is administratively down.		
Raising condition: ('administrativeState' NOT EQUAL 'Up')		
Clearing condition: ('administrativeState' EQUAL 'Up')		
Remedial action: Informational - an operator has manually turned down a service tunnel.		

Table 14-217 TunnelDown (mpls)

Alarm	Attributes	Applicable major NE releases
Name: TunnelDown (30) Type: pathAlarm (12) Package: mpls Raised on class: mpls.Tunnel	Severity: warning Implicitly cleared: true Default probable cause: tunnelDown (23)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when an MPLS path has an Operational State other than Up, and the Administrative State is Up.		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Raising condition: (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up'))		
Clearing condition: (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up'))		
Remedial action: Check the network resources along the path.		

(2 of 2)

Table 14-218 TunnelDown (svt)

Alarm	Attributes	Applicable major NE releases
Name: TunnelDown (30) Type: pathAlarm (12) Package: svt Raised on class: svt.AbstractTunnel	Severity: critical Implicitly cleared: true Default probable cause: tunnelDown (23)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when the 5620 SAM detects that a service tunnel is operationally down.		
Raising condition: (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up'))		
Clearing condition: (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up'))		
Remedial action: This alarm indicates that a problem has been made in the underlying transport network. If the alarm persists or re-occurs frequently then investigation of the underlying transport issues is warranted.		

Table 14-219 TwampRefInactivityTimeout

Alarm	Attributes	Applicable major NE releases
Name: TwampRefInactivityTimeout (4969) Type: communicationsAlarm (4) Package: sas Raised on class: sas.TwampSrv	Severity: major Implicitly cleared: true Default probable cause: TWAMPReflectorInactivityTimeout (2024)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: tmnxTwampSrvNotifClientAddrType, tmnxTwampSrvNotifClientAddr, aluTwampRefNotifLocalAddrType, aluTwampRefNotifLocalAddr, aluTwampRefNotifLocalPort, aluTwampRefNotifRemoteAddrType, aluTwampRefNotifRemoteAddr, aluTwampRefNotifRemotePort The alarm is raised when a TWAMP test session was disconnected by the TWAMP Reflector because the session was inactive for a period exceeding the reflector's inactivity timeout (Reflector Test Session Timeout). The TWAMP reflector cannot receive any traffic on the disconnected session. RECOVERY - Check the IP connectivity between this reflector and the TWAMP client.		
Remedial action: Verify the value of the ref-inactivity-timeout and modify it according to the operational needs.		

Table 14-220 TxSectionSynchronizationError

Alarm	Attributes	Applicable major NE releases
Name: TxSectionSynchronizationError (92) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: txSectionSynchronizationError (78)	<ul style="list-style-type: none"> 5.0 6.1
Description: The alarm is raised when a SONET port reports an SS1F error. The alarm corresponds to the ss1f alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'TX Section Synchronization Error') AND ('Report Alarms'anyBit'TX Section Synchronization Error'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'TX Section Synchronization Error') AND ('Report Alarms'anyBit'TX Section Synchronization Error'))		
Remedial action: Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 14-221 UnidentifiedNode

Alarm	Attributes	Applicable major NE releases
Name: UnidentifiedNode (922) Type: communicationsAlarm (4) Package: netw Raised on class: netw.DiscoveredNode	Severity: major Implicitly cleared: true Default probable cause: unidentifiedNode (922)	<ul style="list-style-type: none"> 5.0 6.1
Description: The alarm is raised when the node being discovered can not be properly identified.		
Raising condition: ('State' EQUAL 'Pending Identification')		
Clearing condition: ('State' NOT EQUAL 'Pending Identification')		
Remedial action: A configuration error has occurred that must be corrected. The eNodeB does not have a system name. The name can be configured by selecting the alarm, opening the associated properties form for the alarmed object and configuring the system name.		

Table 14-222 UnmanageFailed

Alarm	Attributes	Applicable major NE releases
Name: UnmanageFailed (300) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.NodeDiscoveryControl	Severity: warning Implicitly cleared: true Default probable cause: unableToDeleteNode (231)	<ul style="list-style-type: none"> 5.0 6.1
Description: The alarm is raised when an attempt to unmanage an NE fails.		
Raising condition: ('Site State' EQUAL 'unmanage failed')		
Clearing condition: ('Site State' NOT EQUAL 'unmanage failed')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

(2 of 2)

Table 14-223 unsupportedPortUsage

Alarm	Attributes	Applicable major NE releases
Name: unsupportedPortUsage (5184) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: warning Implicitly cleared: true Default probable cause: incompatiblePortUsage (2100)	<ul style="list-style-type: none"> 5.0 6.1
Description: The alarm is raised in case unsupported port type is configured		
Raising condition: ((('portId' >= '1L') AND ('portId' <= '4L') AND ('specificCardType' EQUAL 'EASv2') AND (('Port Usage' EQUAL 'MPT-HC') OR ('Port Usage' EQUAL 'MPT-MC'))))"		
Clearing condition: NOT (((('portId' >= '1L') AND ('portId' <= '4L') AND ('specificCardType' EQUAL 'EASv2') AND (('Port Usage' EQUAL 'MPT-HC') OR ('Port Usage' EQUAL 'MPT-MC')))))"		
Remedial action: This alarm indicates unsupported port usage. Port usage configured on the NE is not supported by SAM.		

Table 14-224 UpgradedBuildVersionMismatch

Alarm	Attributes	Applicable major NE releases
Name: UpgradedBuildVersionMismatch (174) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: upgradedImageNotBooted (137)	<ul style="list-style-type: none"> 5.0 6.1
Description: The alarm is raised when the software version that an NE reports after a software upgrade does not match the version of the software used for the upgrade.		
Raising condition: ('upgradedBuildVersionMismatch' EQUAL 'true')		
Clearing condition: ('upgradedBuildVersionMismatch' EQUAL 'false')		
Remedial action: Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 14-225 upgradedCardAlarm

Alarm	Attributes	Applicable major NE releases
Name: upgradedCardAlarm (255) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: upgradedCard (194)	<ul style="list-style-type: none"> 5.0 6.1

(1 of 2)

14 – Alcatel-Lucent 7705 SAR H alarms

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when the standby CPM is rebooted and operational after a software upgrade. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
Raising condition: ('operationalState' EQUAL 'Upgrade')		
Clearing condition: ('operationalState' EQUAL 'Up')		
Remedial action: Informational - no corrective action required.		

(2 of 2)

Table 14-226 VersionConfigRestoreFailed

Alarm	Attributes	Applicable major NE releases
Name: VersionConfigRestoreFailed (536) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: versionMismatch (405)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when the restore procedure on an NE fails because of a mismatch between the backup file set version and the NE software version.		
Raising condition: ('lastNmsVersionRestoreState' EQUAL 'Failure')		
Clearing condition: ('lastNmsVersionRestoreState' EQUAL 'Success')		
Remedial action: The backup files being restored do not match with the version of node software release. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

Table 14-227 VirtualLinkDown

Alarm	Attributes	Applicable major NE releases
Name: VirtualLinkDown (122) Type: VirtualLinkAlarm (21) Package: ospf Raised on class: ospf.VirtualLink	Severity: warning Implicitly cleared: true Default probable cause: VirtualLinkDown (104)	<ul style="list-style-type: none"> • 5.0 • 6.1
Description: The alarm is raised when a virtual link is Down.		
Raising condition: ('Operational State' EQUAL 'Down')		
Clearing condition: ('Operational State' NOT EQUAL 'Down')		
Remedial action: This alarm is raised when the OSPF virtual link is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 14-228 VirtualNeighborDown

Alarm	Attributes	Applicable major NE releases
Name: VirtualNeighborDown (123) Type: VirtualNeighborDown (22) Package: ospf Raised on classes: <ul style="list-style-type: none"> ospf.ShamLink ospf.VirtualLink 	Severity: warning Implicitly cleared: true Default probable cause: VirtualNeighborDown (105)	<ul style="list-style-type: none"> 5.0 6.1
Description: The alarm is raised when a neighbor virtual link is operationally down.		
Raising condition: ('neighborCount' EQUAL '0L')		
Clearing condition: ('neighborCount' NOT EQUAL '0L')		
Remedial action: This alarm is raised when the OSPF neighbor virtual link is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 14-229 WrongCpaaSoftwareVersion

Alarm	Attributes	Applicable major NE releases
Name: WrongCpaaSoftwareVersion (791) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: wrongCpaaSoftwareVersion (559)	<ul style="list-style-type: none"> 5.0 6.1
Description: The alarm is raised when the 7701 CPAA software is the wrong version and requires an upgrade.		
Raising condition: (('Software Version' EQUAL "\"TIMOS-B-3.0.Generic \") AND ('Chassis Type' EQUAL '7701 CPAA'))		
Clearing condition: (('Software Version' NOT EQUAL "\"TIMOS-B-3.0.Generic \") AND ('Chassis Type' EQUAL '7701 CPAA'))		
Remedial action: The SW version of the CPAA must be upgraded to the version compatible with CPAM version.		

Table 14-230 XplError

Alarm	Attributes	Applicable major NE releases
Name: XplError (573) Type: hardwareAnomaly (55) Package: equipment Raised on class: equipment.DaughterCard	Severity: minor Implicitly cleared: true Default probable cause: xplError (443)	<ul style="list-style-type: none"> 5.0 6.1
Description: The alarm is raised when an MDA reports persistent XPL Errors.		
Raising condition: ('Number Of Notifications' NOT EQUAL '0')		
Clearing condition: ('Number Of Notifications' EQUAL '0')		

(1 of 2)

14 – Alcatel-Lucent 7705 SAR H alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: Informational - if the condition persists then the MDA indicated in the alarm should be replaced.		

(2 of 2)

15 — Alcatel-Lucent 7710 SR alarms



Note — Some alarms that the 5620 SAM can raise against this device may not be listed in this chapter. Associating alarms with specific NE types is an ongoing Alcatel-Lucent effort. If the 5620 SAM raises an alarm against this device type, and the alarm is not described in this chapter, see chapter 35 for information about the alarm.

Table 15-1 AccessInterfaceDown

Alarm	Attributes	Applicable major NE releases
Name: AccessInterfaceDown (249) Type: AccessInterfaceAlarm (32) Package: service Raised on class: service.AccessInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an L2 or L3 interface operational state is Down. The alarm is not raised against an L2 access interface that is associated with an MC ring or MC LAG in the standby state.		
Raising condition: (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'Standby For MC-Ring') AND ('State Cause' NOT EQUAL 'Standby For MC-Lag') AND ('State Cause' NOT EQUAL 'Standby For BGP Multi-homing'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'Standby For MC-Ring') OR ('State Cause' EQUAL 'Standby For MC-Lag') OR ('State Cause' EQUAL 'Standby For BGP Multi-homing'))		
Remedial action: The condition exists because the physical interface is down either because it is administratively disabled, faulty or a cabling fault has occurred. Ensure that the interface is administratively up. Check for a poor cable connection to the port or for a faulty cable/fiber. If neither appears to be the problem run diagnostics on the port to determine if it is faulty.		

Table 15-2 ActiveAbnormalCondition

Alarm	Attributes	Applicable major NE releases
Name: ActiveAbnormalCondition (3938) Type: activeAbnormalConditionAlarm (116) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ActiveAbnormalConditionState (1520)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is an indication for abnormal condition on NE.		
Raising condition: ('abnormalCondition' EQUAL 'true')		
Clearing condition: ('abnormalCondition' EQUAL 'false')		
Remedial action: This alarm is raised when there is a abnormal state indication on NE.		

Table 15-3 AGWDiameterPeerDown

Alarm	Attributes	Applicable major NE releases
Name: AGWDiameterPeerDown (844) Type: EpcAlarm (59) Package: lte Raised on class: lte.AGWDiameterPeer	Severity: variable Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the path management state of a Diameter peer changes to a state other than Up.		
Raising condition: ('Path Diameter Management State' NOT EQUAL 'Active')		
Clearing condition: ('Path Diameter Management State' EQUAL 'Active')		
Remedial action: A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

Table 15-4 AncillaryPathLimitReached

Alarm	Attributes	Applicable major NE releases
Name: AncillaryPathLimitReached (459) Type: resourceAlarm (28) Package: equipment Raised on class: equipment.DaughterCard	Severity: warning Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the Ingress Multicast Path Management ancillary path bandwidth limit is reached.		
Raising condition: (('Ancillary Path Limit Override' > '0') AND ('Ancillary Path In use' >= (1000 * 'Ancillary Path Limit Override'))"		
Clearing condition: (('Ancillary Path Limit Override' > '0') AND ('Ancillary Path In use' < (1000 * 'Ancillary Path Limit Override'))"		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: Informational - The alarm is raised when the Ingress Multicast Path Management ancillary path bandwidth limit is reached. This can be remedied by modifying the ancillary path limit located at T1 Paths tab of the multicast bandwidth policy which assigned to the card, or increase the ancillary path limit override located at the Daughter Card tab under Daughter Card Slot form.		

(2 of 2)

Table 15-5 AreaTypeMismatch

Alarm	Attributes	Applicable major NE releases
Name: AreaTypeMismatch (38) Type: configurationAlarm (11) Package: ospf Raised on class: ospf.Area	Severity: warning Implicitly cleared: true Default probable cause: areaTypeMisconfigured (34)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an OSPF area on one NE is configured as an NSSA and the same OSPF area on another NE is configured as a stub area.		
Raising condition: ('Type Mismatch' EQUAL 'true')		
Clearing condition: ('Type Mismatch' EQUAL 'false')		
Remedial action: A configuration error has been made which must be corrected. The OSPF area type configured for the NE does not match with the same OSPF area configured on another NE. Compare the configuration on the endpoint and correct the mismatch.		

Table 15-6 AsymmetricalConfig (lag)

Alarm	Attributes	Applicable major NE releases
Name: AsymmetricalConfig (295) Type: configurationAlarm (11) Package: lag Raised on classes: <ul style="list-style-type: none"> • lag.MultiChassisLag • lag.MultiChassisLagMember 	Severity: major Implicitly cleared: true Default probable cause: asymmetricalConfig (226)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the members of an MC LAG do not have matching configurations.		
Raising condition: ('configMismatches' NOT EQUAL '0L')		
Clearing condition: ('configMismatches' EQUAL '0L')		
Remedial action: Check configurations on both members to see anything not matched.		

Table 15-7 AsymmetricalConfig (multichassis)

Alarm	Attributes	Applicable major NE releases
Name: AsymmetricalConfig (295) Type: configurationAlarm (11) Package: multichassis Raised on classes: <ul style="list-style-type: none"> multichassis.AbstractMultiChassisLag multichassis.MultiChassisLagMember multichassis.AbstractMultiChassisPeer 	Severity: major Implicitly cleared: true Default probable cause: asymmetricalConfig (226)	<ul style="list-style-type: none"> 10.0 11.0 12.0 9.0
Description: The alarm is raised when there is a peer configuration mismatch that prevents MC operation.		
Raising condition: ('Config Mismatches' NOT EQUAL 'OL')		
Clearing condition: ('Config Mismatches' EQUAL 'OL')		
Remedial action: Check configurations on both members to see anything not matched.		

Table 15-8 AuthKeyConflict (rsvp)

Alarm	Attributes	Applicable major NE releases
Name: AuthKeyConflict (5188) Type: processingErrorAlarm (81) Package: rsvp Raised on class: rsvp.AuthenticationKey	Severity: warning Implicitly cleared: true Default probable cause: AuthKeyConflict (2103)	<ul style="list-style-type: none"> 10.0 11.0 12.0 9.0
Description: The alarm is raised when both Authentication Key and RSVP Keychain are configured. RSVP Keychain will be used.		
Raising condition: (('RSVP Keychain' NOT EQUAL '\') AND ('enableAuthentication' EQUAL 'true'))		
Clearing condition: (('RSVP Keychain' EQUAL '\') OR ('enableAuthentication' NOT EQUAL 'true'))		
Remedial action: Authentication Key and RSVP Keychain are both configured. RSVP Keychain will be used. The alarm is cleared when only one is configured.		

Table 15-9 AuxiliaryServerStatus

Alarm	Attributes	Applicable major NE releases
Name: AuxiliaryServerStatus (311) Type: communicationsAlarm (4) Package: server Raised on class: server.AuxiliaryServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> 10.0 11.0 12.0 9.0
Description: The alarm is raised when a 5620 SAM main server cannot communicate with an auxiliary server. The alarm clears when communication is restored.		
Raising condition: ('Server Status' EQUAL 'Down')		
Clearing condition: ('Server Status' EQUAL 'Up')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the AUX and SAM servers is unreliable.		

(2 of 2)

Table 15-10 BerLineSignalDegradation

Alarm	Attributes	Applicable major NE releases
Name: BerLineSignalDegradation (88) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: berLineSignalDegradation (74)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a SONET port reports a line signal degradation BER error. The alarm corresponds to the lb2er-sd alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'BER Line Signal Degradation') AND ('Report Alarms'anyBit'BER Line Signal Degradation'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'BER Line Signal Degradation') AND ('Report Alarms'anyBit'BER Line Signal Degradation'))))		
Remedial action: Informational only.		

Table 15-11 BerLineSignalFailure

Alarm	Attributes	Applicable major NE releases
Name: BerLineSignalFailure (89) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: berLineSignalFailure (75)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a SONET port reports a line signal degradation BER error. The alarm corresponds to the lb2er-sf alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'BER Line Signal Failure') AND ('Report Alarms'anyBit'BER Line Signal Failure'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'BER Line Signal Failure') AND ('Report Alarms'anyBit'BER Line Signal Failure'))))		
Remedial action: Informational only.		

Table 15-12 BfdInterfaceConnectionBroken

Alarm	Attributes	Applicable major NE releases
Name: BfdInterfaceConnectionBroken (3329) Type: serviceAlarm (16) Package: vrrp Raised on class: vrrp.BfdInterface	Severity: minor Implicitly cleared: true Default probable cause: bfdSessionConnectionBroken (593)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the BFD connection to a peer times out.		
Raising condition: ('Operational State' EQUAL 'Timed Out')		
Clearing condition: ('Operational State' NOT EQUAL 'Timed Out')		
Remedial action: Check the peer router, fix the BFD connection		

Table 15-13 BfdInterfaceConnectionDown

Alarm	Attributes	Applicable major NE releases
Name: BfdInterfaceConnectionDown (3330) Type: serviceAlarm (16) Package: vrrp Raised on class: vrrp.BfdInterface	Severity: minor Implicitly cleared: true Default probable cause: bfdSessionDown (346)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the Operational State of a BFD session is Not Connected.		
Raising condition: ('Operational State' NOT EQUAL 'Operational')		
Clearing condition: ('Operational State' EQUAL 'Operational')		
Remedial action: Check the BFD interface configuration, fix the BFD connection		

Table 15-14 BfdInterfaceConnectionPeerDetectsDown

Alarm	Attributes	Applicable major NE releases
Name: BfdInterfaceConnectionPeerDetectsDown (3331) Type: serviceAlarm (16) Package: vrrp Raised on class: vrrp.BfdInterface	Severity: minor Implicitly cleared: true Default probable cause: bfdSessionConnectionPeerDetectsDown (594)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a BFD peer detects a connection timeout.		
Raising condition: ('Operational State' EQUAL 'Down')		
Clearing condition: ('Operational State' NOT EQUAL 'Down')		
Remedial action: Fix the BFD connection		

Table 15-15 BgpDown

Alarm	Attributes	Applicable major NE releases
Name: BgpDown (6) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a BGP instance has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: The BGP protocol entity is down - administratively disable BGP and re-enable. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 15-16 BITS2NotQualified

Alarm	Attributes	Applicable major NE releases
Name: BITS2NotQualified (1941) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: timingReferenceNotQualified (418)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the BITS-2 timing reference on an NE is not in the Qualified state.		
Raising condition: (('Qualified For Use' EQUAL 'Not Qualified') AND ('Input Administrative State' NOT EQUAL 'Down'))		
Clearing condition: (('Qualified For Use' NOT EQUAL 'Not Qualified') OR ('Input Administrative State' EQUAL 'Down'))		
Remedial action: Make sure that BITS2 is qualified		

Table 15-17 BITSNotQualified

Alarm	Attributes	Applicable major NE releases
Name: BITSNotQualified (547) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: timingReferenceNotQualified (418)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the BITS timing reference on an NE is not in the Qualified state.		
Raising condition: (('Qualified For Use' EQUAL 'Not Qualified') AND ('Output Administrative State' NOT EQUAL 'Down'))		
Clearing condition: (('Qualified For Use' NOT EQUAL 'Not Qualified') OR ('Output Administrative State' EQUAL 'Down'))		
Remedial action: Make sure that BITS is qualified		

Table 15-18 BITSReferenceLossOfSignal

Alarm	Attributes	Applicable major NE releases
Name: BITSReferenceLossOfSignal (1950) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: BITSReferenceLossOfSignal (938)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the BITS reference on an NE is not qualified due to Loss of Signal.		
Raising condition: (('Not Qualified Due To'anyBit'LOS'))		
Clearing condition: NOT (((('Not Qualified Due To'anyBit'LOS'))))		
Remedial action: Make sure that peer connected to BITS is properly configured.		

Table 15-19 BITSReferenceOutOfFrequency

Alarm	Attributes	Applicable major NE releases
Name: BITSReferenceOutOfFrequency (1951) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: BITSReferenceOutOfFrequency (939)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the BITS Reference on an NE is not qualified due to Out of frequency.		
Raising condition: (('Not Qualified Due To'anyBit'OOF'))		
Clearing condition: NOT (((('Not Qualified Due To'anyBit'OOF'))))		
Remedial action: Make sure that frequency configured for BITS is correct.		

Table 15-20 BITSReferenceOutOfPollInRange

Alarm	Attributes	Applicable major NE releases
Name: BITSReferenceOutOfPollInRange (1952) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: BITSReferenceOutOfPollInRange (940)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the BITS Reference on an NE is not qualified state due to Out of poll in range.		
Raising condition: (('Not Qualified Due To'anyBit'OOPIR'))		
Clearing condition: NOT (((('Not Qualified Due To'anyBit'OOPIR'))))		
Remedial action: Check the BITS is configured correctly. Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary		

Table 15-21 BootableConfigBackupFailed

Alarm	Attributes	Applicable major NE releases
Name: BootableConfigBackupFailed (103) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the 5620 SAM fails to back up a set of NE configuration files.		
Raising condition: ('Backup State' EQUAL 'Failure')		
Clearing condition: ('Backup State' EQUAL 'Success')		
Remedial action: Investigation is required to resolve the following possible scenarios: insufficient disk space is available to accommodate the NE configuration files (additional SAM platform alarms will accompany this alarm); the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

Table 15-22 BootableConfigRestoreFailed

Alarm	Attributes	Applicable major NE releases
Name: BootableConfigRestoreFailed (104) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the 5620 SAM fails to restore a set of NE configuration files.		
Raising condition: ('Restore State' EQUAL 'Failure')		
Clearing condition: ('Restore State' EQUAL 'Success')		
Remedial action: Investigation is required to resolve the following possible scenarios: the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

Table 15-23 BootParametersMisconfigured

Alarm	Attributes	Applicable major NE releases
Name: BootParametersMisconfigured (35) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: persistentIndexFailure (30) Applicable probable causes: <ul style="list-style-type: none"> • persistentIndexFailure • configFileBootFailure 	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the SNMP Index Boot Status on an NE is not set to Persistent.		
Raising condition: (('isGenericNode' EQUAL 'false') AND ('State' NOT EQUAL 'Pre-provisioned') AND (('Config File Status' NOT EQUAL 'Executed Successfully') OR ('Persistent Index Status' NOT EQUAL 'Rebuild Succeeded')))		

(1 of 2)

15 – Alcatel-Lucent 7710 SR alarms

Alarm	Attributes	Applicable major NE releases
Clearing condition: (('Config File Status' EQUAL 'Executed Successfully') AND ('Persistent Index Status' EQUAL 'Rebuild Succeeded'))		
Remedial action: Ensure that "SNMP Index Boot Status" is persistent (using cli command "show system information" on the NE). If not, unmanage the network element from SAM, ensure that "persist on" is set in the bof file, save the bof, save a config file, verify that an index file (.ndx) is saved as well, reboot the router, verify that SNMP Index Boot Status is persistent and finally remanage the router from SAM.		

(2 of 2)

Table 15-24 BundleDown

Alarm	Attributes	Applicable major NE releases
Name: BundleDown (152) Type: equipmentAlarm (3) Package: bundle Raised on class: bundle.Interface	Severity: critical Implicitly cleared: true Default probable cause: bundleDown (128)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the bundle Administrative State is Up and the Operational State is Down.		
Raising condition: (('Protection Type' EQUAL 'None') AND ('Administrative State' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up') AND ('specificCardType' NOT EQUAL '16 x E1 (ASAP)'))		
Clearing condition: (('Protection Type' NOT EQUAL 'None') OR ('operationalState' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: Informational - no corrective action required.		

Table 15-25 CesBfrOverrun

Alarm	Attributes	Applicable major NE releases
Name: CesBfrOverrun (448) Type: communicationsAlarm (4) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: major Implicitly cleared: true Default probable cause: bufferOverrun (322)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the 5620 SAM detects a jitter buffer overrun.		
Raising condition: (('Report Alarm Status'anyBit'Buffer Overrun') AND ('Report Alarm'anyBit'Buffer Overrun'))		
Clearing condition: NOT (('Report Alarm Status'anyBit'Buffer Overrun') AND ('Report Alarm'anyBit'Buffer Overrun'))		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 15-26 CesBfrUnderrun

Alarm	Attributes	Applicable major NE releases
Name: CesBfrUnderrun (449) Type: communicationsAlarm (4) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: major Implicitly cleared: true Default probable cause: bufferOverrun (322)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the 5620 SAM detects a jitter buffer underrun.		
Raising condition: (('Report Alarm Status'anyBit'Buffer Underrun') AND ('Report Alarm'anyBit'Buffer Underrun'))		
Clearing condition: NOT (((('Report Alarm Status'anyBit'Buffer Underrun') AND ('Report Alarm'anyBit'Buffer Underrun'))		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 15-27 CesMalformedPkts

Alarm	Attributes	Applicable major NE releases
Name: CesMalformedPkts (446) Type: communicationsAlarm (4) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: major Implicitly cleared: true Default probable cause: malformedPackets (320)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the 5620 SAM detects one or more malformed packets.		
Raising condition: (('Report Alarm Status'anyBit'Malformed Packets') AND ('Report Alarm'anyBit'Malformed Packets'))		
Clearing condition: NOT (((('Report Alarm Status'anyBit'Malformed Packets') AND ('Report Alarm'anyBit'Malformed Packets'))		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 15-28 CesPktLoss

Alarm	Attributes	Applicable major NE releases
Name: CesPktLoss (447) Type: communicationsAlarm (4) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: major Implicitly cleared: true Default probable cause: lossOfPacket (321)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the 5620 SAM detects a packet loss.		
Raising condition: (('Report Alarm Status'anyBit'Packet Loss') AND ('Report Alarm'anyBit'Packet Loss'))		
Clearing condition: NOT (((('Report Alarm Status'anyBit'Packet Loss') AND ('Report Alarm'anyBit'Packet Loss'))		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 15-29 CesRmtPktLoss

Alarm	Attributes	Applicable major NE releases
Name: CesRmtPktLoss (450) Type: communicationsAlarm (4) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: minor Implicitly cleared: true Default probable cause: farEndLossOfPacket (323)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the 5620 SAM detects a remote packet loss.		
Raising condition: (('Report Alarm Status'anyBit'Remote Packet Loss') AND ('Report Alarm'anyBit'Remote Packet Loss'))		
Clearing condition: NOT (((('Report Alarm Status'anyBit'Remote Packet Loss') AND ('Report Alarm'anyBit'Remote Packet Loss'))		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 15-30 CesRmtRdi

Alarm	Attributes	Applicable major NE releases
Name: CesRmtRdi (452) Type: configurationAlarm (11) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: minor Implicitly cleared: false Default probable cause: farEndRdi (325)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the 5620 SAM detects a remote RDI.		
Raising condition: (('Report Alarm Status'anyBit'Remote RDI') AND ('Report Alarm'anyBit'Remote RDI'))		
Clearing condition: NOT (((('Report Alarm Status'anyBit'Remote RDI') AND ('Report Alarm'anyBit'Remote RDI'))		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 15-31 CesRmtTdmFault

Alarm	Attributes	Applicable major NE releases
Name: CesRmtTdmFault (451) Type: configurationAlarm (11) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: minor Implicitly cleared: false Default probable cause: tdmFarEndFault (324)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the 5620 SAM detects a remote TDM fault.		
Raising condition: (('Report Alarm Status'anyBit'Remote TDM Fault') AND ('Report Alarm'anyBit'Remote TDM Fault'))		
Clearing condition: NOT (((('Report Alarm Status'anyBit'Remote TDM Fault') AND ('Report Alarm'anyBit'Remote TDM Fault'))		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 15-32 CesStrayPkts

Alarm	Attributes	Applicable major NE releases
Name: CesStrayPkts (445) Type: communicationsAlarm (4) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: minor Implicitly cleared: true Default probable cause: strayPackets (319)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the 5620 SAM detects received stray packets.		
Raising condition: (('Report Alarm Status'anyBit'Stray Packets') AND ('Report Alarm'anyBit'Stray Packets'))		
Clearing condition: NOT (((('Report Alarm Status'anyBit'Stray Packets') AND ('Report Alarm'anyBit'Stray Packets'))))		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 15-33 CircuitStpExceptionCondition

Alarm	Attributes	Applicable major NE releases
Name: CircuitStpExceptionCondition (648) Type: SdpBindingAlarm (30) Package: l2fwd Raised on class: l2fwd.CircuitStp	Severity: major Implicitly cleared: true Default probable cause: StpException (228)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an NE detects an STP exception condition on a SAP, for example, one-way communication or a downstream loop. The alarm clears when the STP status changes.		
Raising condition: (('STP Exception Condition' NOT EQUAL 'None') AND ('Administrative State' EQUAL 'Up'))		
Clearing condition: (('STP Exception Condition' EQUAL 'None') OR ('Administrative State' EQUAL 'Down'))		
Remedial action: Check 'STP Exception Condition' field for more details and fix the STP exception.		

Table 15-34 ClientDelegateServerStatus

Alarm	Attributes	Applicable major NE releases
Name: ClientDelegateServerStatus (731) Type: communicationsAlarm (4) Package: server Raised on class: server.ClientDelegateServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a client delegate server is unreachable.		
Raising condition: ('Server Status' EQUAL 'Down')		
Clearing condition: ('Server Status' EQUAL 'Up')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the client delegate platform and SAM servers is unreliable or the client delegate server itself is unreliable.		

Table 15-35 ConfigurationRescueFileDeleteStatus

Alarm	Attributes	Applicable major NE releases
Name: ConfigurationRescueFileDeleteStatus (3894) Type: configurationRescueAlarm (109) Package: rollback Raised on class: rollback.RollbackNEInfo	Severity: info Implicitly cleared: false Default probable cause: configurationRescueFileDeleteOperationPerformed (1485)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a configuration rollback rescue file delete operation is performed.		
Remedial action: Informational - If rollback rescue file deletion status indicates failed, then, the requested rescue file might not be available or check the FTP permission for the rescue location.		

Table 15-36 ConfigurationRescueFileSaveStatus

Alarm	Attributes	Applicable major NE releases
Name: ConfigurationRescueFileSaveStatus (3895) Type: configurationRescueAlarm (109) Package: rollback Raised on class: rollback.RollbackNEInfo	Severity: info Implicitly cleared: false Default probable cause: configurationRescueFileSaveOperationPerformed (1486)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a configuration rollback rescue save operation is performed.		
Remedial action: Informational - If rollback rescue file creation status indicates failed, then, check the FTP permission for the rescue location.		

Table 15-37 ConfigurationRescueStatus

Alarm	Attributes	Applicable major NE releases
Name: ConfigurationRescueStatus (3896) Type: configurationRescueAlarm (109) Package: rollback Raised on class: rollback.RollbackNEInfo	Severity: info Implicitly cleared: false Default probable cause: configurationRescueOperationPerformed (1487)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a configuration rollback rescue operation is performed.		
Remedial action: Informational - If rollback rescue status indicates failed, then, the rescue file might not be available or check the FTP permission for the rescue location.		

Table 15-38 ConfigurationRollBackFileDeleteStatus

Alarm	Attributes	Applicable major NE releases
Name: ConfigurationRollBackFileDeleteStatus (3897) Type: configurationRollBackAlarm (103) Package: rollback Raised on class: rollback.RollbackNEInfo	Severity: info Implicitly cleared: false Default probable cause: configurationRollBackFileDeleteOperationPerformed (1488)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a configuration rollback file delete operation is performed.		
Remedial action: Informational - If rollback file deletion status indicates failed, then, the requested rollback file might not be available or check the FTP permission for the rollback location..		

Table 15-39 ConfigurationRollBackFileSyncStatus

Alarm	Attributes	Applicable major NE releases
Name: ConfigurationRollBackFileSyncStatus (3898) Type: configurationRollBackFileSyncAlarm (110) Package: rollback Raised on class: rollback.RollbackNEInfo	Severity: info Implicitly cleared: false Default probable cause: configurationRollBackFileSyncOperationPerformed (1489)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a configuration rollback CPM sync operation is performed.		
Remedial action: Informational - If rollback files CPM Sync status indicates failed, then, check whether standby CPM is up.		

Table 15-40 ConfigurationRollBackSaveStatus

Alarm	Attributes	Applicable major NE releases
Name: ConfigurationRollBackSaveStatus (3899) Type: configurationRollBackAlarm (103) Package: rollback Raised on class: rollback.RollbackNEInfo	Severity: info Implicitly cleared: false Default probable cause: configurationRollBackSaveOperationPerformed (1490)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a configuration rollback save operation is performed.		
Remedial action: Informational - If rollback file creation status indicates failed, then, check the FTP permission for the rollback location.		

Table 15-41 ConfigurationRollBackStatus (netw)

Alarm	Attributes	Applicable major NE releases
Name: ConfigurationRollBackStatus (3684) Type: configurationRollBackAlarm (103) Package: netw Raised on class: netw.NetworkElement	Severity: info Implicitly cleared: false Default probable cause: configurationRollBackOperationPerformed (1422)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a configuration rollback operation is performed.		
Remedial action: Informational - If rollback status indicates failed, then, the requested checkpoint might not be available or NE configuration might need to be restored.		

Table 15-42 ConfigurationRollBackStatus (rollback)

Alarm	Attributes	Applicable major NE releases
Name: ConfigurationRollBackStatus (3684) Type: configurationRollBackAlarm (103) Package: rollback Raised on class: rollback.RollbackNEInfo	Severity: info Implicitly cleared: false Default probable cause: configurationRollBackOperationPerformed (1422)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a configuration rollback operation is performed.		
Remedial action: Informational - If rollback status indicates failed, then, the requested checkpoint might not be available or NE configuration might need to be restored.		

Table 15-43 ContainingEquipmentAdministrativelyDown

Alarm	Attributes	Applicable major NE releases
Name: ContainingEquipmentAdministrativelyDown (466) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: minor Implicitly cleared: true Default probable cause: containingEquipmentAdministrativelyDown (330)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentAdministrativelyDown.		
Raising condition: (('Status' EQUAL 'Parent Admin Down') AND ('isTerminatable' EQUAL 'true'))		
Clearing condition: (('Status' NOT EQUAL 'Parent Admin Down') OR ('isTerminatable' NOT EQUAL 'true'))		
Remedial action: Informational - no corrective action required.		

Table 15-44 ContainingEquipmentMismatch

Alarm	Attributes	Applicable major NE releases
Name: ContainingEquipmentMismatch (464) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentMismatch (328)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentMismatch.		
Raising condition: (('Status' EQUAL 'Parent Type Mismatch') AND ('isTerminatable' EQUAL 'true'))		
Clearing condition: (('Status' NOT EQUAL 'Parent Type Mismatch') OR ('isTerminatable' NOT EQUAL 'true'))		
Remedial action: A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

Table 15-45 ContainingEquipmentOperationallyDown

Alarm	Attributes	Applicable major NE releases
Name: ContainingEquipmentOperationallyDown (465) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentDown (329)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentOperationallyDown.		
Raising condition: (('Status' EQUAL 'Parent Oper Down') AND ('isTerminatable' EQUAL 'true'))		
Clearing condition: (('Status' NOT EQUAL 'Parent Oper Down') OR ('isTerminatable' NOT EQUAL 'true'))		
Remedial action: The operational state of the equipment element indicated in the alarm is down. This may be due to the element's administrative state or it may indicate that the element has failed.		

Table 15-46 CorruptImageFile

Alarm	Attributes	Applicable major NE releases
Name: CorruptImageFile (171) Type: configurationAlarm (11) Package: mediation Raised on class: mediation.AbstractSoftwareFolderDescriptor	Severity: critical Implicitly cleared: true Default probable cause: invalidOrCorruptImageFile (134)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when one or more files in the 5620 SAM software image specified for a device software upgrade is invalid, corrupt or absent. The 5620 SAM validates a device software file set before it imports the file set and distributes it to an NE. Ensure that the file set downloads properly to the NE and is not tampered with before you re-attempt the upgrade. The alarm clears when a valid file set is on the NE and the 5620 SAM activates the software image in the file set.		
Raising condition: ('isImageValid' EQUAL 'false')		

(1 of 2)

15 – Alcatel-Lucent 7710 SR alarms

Alarm	Attributes	Applicable major NE releases
Clearing condition: ('isImageValid' EQUAL 'true')		
Remedial action: The existing SW image in the SAM database should be replaced with an image that is known to be complete and valid.		

(2 of 2)

Table 15-47 DDMAux1HighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMAux1HighAlarm (495) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: aux1HighAlarm (381)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the manufacturer-specific Auxiliary 1 of the XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux1 High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux1 High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 15-48 DDMAux1HighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMAux1HighWarning (494) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: aux1HighWarning (380)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the manufacturer-specific Auxiliary 1 of the XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux1 High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux1 High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 15-49 DDMAux1LowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMAux1LowAlarm (493) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: aux1LowAlarm (379)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when the manufacturer-specific Auxiliary 1 of the XFP reaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux1 Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux1 Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

(2 of 2)

Table 15-50 DDMAux1LowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMAux1LowWarning (492) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: aux1LowWarning (378)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the manufacturer-specific Auxiliary 1 of the XFP approaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux1 Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux1 Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 15-51 DDMAux2HighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMAux2HighAlarm (499) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: aux2HighAlarm (385)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the manufacturer-specific Auxiliary 2 of the XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux2 High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux2 High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 15-52 DDMAux2HighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMAux2HighWarning (498) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: aux2HighWarning (384)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the manufacturer-specific Auxiliary 2 of the XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux2 High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux2 High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 15-53 DDMAux2LowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMAux2LowAlarm (497) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: aux2LowAlarm (383)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the manufacturer-specific Auxiliary 2 of the XFP reaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux2 Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux2 Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 15-54 DDMAux2LowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMAux2LowWarning (496) Type: communicatiothresholdAlarmnsAlarm (50) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: aux2LowWarning (382)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the manufacturer-specific Auxiliary 2 of the XFP approaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux2 Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux2 Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 15-55 DDMRxOpticalPowerHighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMRxOpticalPowerHighAlarm (491) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: rxOpticalPowerHighAlarm (377)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the received optical power of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBitRx Optical Power High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBitRx Optical Power High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 15-56 DDMRxOpticalPowerHighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMRxOpticalPowerHighWarning (490) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: rxOpticalPowerHighWarning (376)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the received optical power of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBitRx Optical Power High Warning')		
Clearing condition: NOT (('failedThresholds'anyBitRx Optical Power High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 15-57 DDMRxOpticalPowerLowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMRxOpticalPowerLowAlarm (489) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: rxOpticalPowerLowAlarm (375)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the received optical power of an SFP or XFP reaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBitRx Optical Power Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBitRx Optical Power Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 15-58 DDMRxOpticalPowerLowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMRxOpticalPowerLowWarning (488) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: rxOpticalPowerLowWarning (374)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the received optical power of an SFP or XFP approaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBitRx Optical Power Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBitRx Optical Power Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 15-59 DDMSupplyVoltageHighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMSupplyVoltageHighAlarm (479) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: supplyVoltageHighAlarm (365)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the supply voltage of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBitSupply Voltage High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBitSupply Voltage High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 15-60 DDMSupplyVoltageHighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMSupplyVoltageHighWarning (478) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: supplyVoltageHighWarning (364)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the supply voltage of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBitSupply Voltage High Warning')		
Clearing condition: NOT (('failedThresholds'anyBitSupply Voltage High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 15-61 DDMSupplyVoltageLowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMSupplyVoltageLowAlarm (477) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: supplyVoltageLowAlarm (363)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the supply voltage of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Supply Voltage Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Supply Voltage Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 15-62 DDMSupplyVoltageLowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMSupplyVoltageLowWarning (476) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: supplyVoltageLowWarning (362)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the supply voltage of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Supply Voltage Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Supply Voltage Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 15-63 DDMTemperatureHighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTemperatureHighAlarm (475) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: temperatureHighAlarm (361)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the temperature of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Temperature High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Temperature High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 15-64 DDMTemperatureHighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTemperatureHighWarning (474) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: temperatureHighWarning (360)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the temperature of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Temperature High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Temperature High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 15-65 DDMTemperatureLowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTemperatureLowAlarm (473) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: temperatureLowAlarm (359)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the temperature of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Temperature Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Temperature Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 15-66 DDMTemperatureLowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTemperatureLowWarning (472) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: temperatureLowWarning (358)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the temperature of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Temperature Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Temperature Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 15-67 DDMTxBiasCurrentHighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTxBiasCurrentHighAlarm (483) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: txBiasCurrentHighAlarm (369)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the transmit bias current of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Bias Current High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Bias Current High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 15-68 DDMTxBiasCurrentHighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTxBiasCurrentHighWarning (482) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: txBiasCurrentHighWarning (368)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the transmit bias current of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Bias Current High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Bias Current High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 15-69 DDMTxBiasCurrentLowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTxBiasCurrentLowAlarm (481) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: txBiasCurrentLowAlarm (367)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the transmit bias current of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Bias Current Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Bias Current Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 15-70 DDMTxBiasCurrentLowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTxBiasCurrentLowWarning (480) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: txBiasCurrentLowWarning (366)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the transmit bias current of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Bias Current Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Bias Current Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 15-71 DDMTxOutputPowerHighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTxOutputPowerHighAlarm (487) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: txOutputPowerHighAlarm (373)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the output power of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Output Power High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Output Power High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 15-72 DDMTxOutputPowerHighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTxOutputPowerHighWarning (486) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: txOutputPowerHighWarning (372)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the output power of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Output Power High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Output Power High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 15-73 DDMTxOutputPowerLowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTxOutputPowerLowAlarm (485) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: txOutputPowerLowAlarm (371)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the output power of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Output Power Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Output Power Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 15-74 DDMTxOutputPowerLowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTxOutputPowerLowWarning (484) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: txOutputPowerLowWarning (370)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the output power of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Output Power Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Output Power Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 15-75 DHCPSErverFailoverStateChange

Alarm	Attributes	Applicable major NE releases
Name: DHCPSErverFailoverStateChange (4986) Type: configurationAlarm (11) Package: dhcp Raised on class: dhcp.LocalDhcpServerFailover	Severity: warning Implicitly cleared: true Default probable cause: DHCPSErverFailoverStateChanged (2041)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the Local DHCP Server Failover has a state other than Normal.		
Raising condition: (('state' NOT EQUAL 'Normal'))		
Clearing condition: (('state' EQUAL 'Normal'))		
Remedial action: This alarm is raised when operational state of a particular Local DHCP Server Failover is other than Normal. This can occur if the failover configuration is incorrect, disabled or if a server failover is in progress. This alarm will be cleared implicitly when the DHCP Server Failover state returns to Normal.		

Table 15-76 downgradedCardAlarm

Alarm	Attributes	Applicable major NE releases
Name: downgradedCardAlarm (256) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: downgradedCard (195)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an IOM is not upgraded or reset after a device software upgrade of both CPMs. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
Raising condition: ('operationalState' EQUAL 'Downgrade')		
Clearing condition: ('operationalState' EQUAL 'Up')		
Remedial action: Informational - no corrective action required.		

Table 15-77 DS1E1AlarmIndicationSignal

Alarm	Attributes	Applicable major NE releases
Name: DS1E1AlarmIndicationSignal (112) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: alarmIndicationSignal (96)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an NE reports that a specific DS1 or E1 channel has an AIS alarm condition.		
Raising condition: (('Outstanding Alarms'anyBit'Alarm Indication Signal') AND ('Report Alarms'anyBit'Alarm Indication Signal'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Alarm Indication Signal') AND ('Report Alarms'anyBit'Alarm Indication Signal'))))		
Remedial action: Informational only.		

Table 15-78 DS1E1Looped

Alarm	Attributes	Applicable major NE releases
Name: DS1E1Looped (126) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: farEndLoopback (102)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an NE reports that a specific DS1 or E1 channel has a remote loopback alarm condition.		
Raising condition: (('Outstanding Alarms'anyBit'Far end wants the near end to loopback') AND ('Report Alarms'anyBit'Far end wants the near end to loopback'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Far end wants the near end to loopback') AND ('Report Alarms'anyBit'Far end wants the near end to loopback'))))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: Informational only.		

(2 of 2)

Table 15-79 DS1E1LossOfSignal

Alarm	Attributes	Applicable major NE releases
Name: DS1E1LossOfSignal (124) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: lossOfSignal (99)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an NE reports that a specific DS1 or E1 channel has an LOS alarm condition.		
Raising condition: (('Outstanding Alarms'anyBit'Loss of Signal') AND ('Report Alarms'anyBit'Loss of Signal'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'Loss of Signal') AND ('Report Alarms'anyBit'Loss of Signal'))		
Remedial action: Informational only.		

Table 15-80 DS1E1OutOfFrame

Alarm	Attributes	Applicable major NE releases
Name: DS1E1OutOfFrame (125) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: outOfFrame (100)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an NE reports that a specific DS1 or E1 channel has an OOF alarm condition.		
Raising condition: (('Outstanding Alarms'anyBit'Out Of Frame') AND ('Report Alarms'anyBit'Out Of Frame'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'Out Of Frame') AND ('Report Alarms'anyBit'Out Of Frame'))		
Remedial action: Informational only.		

Table 15-81 DS1E1ResourceAvailabilityIndicator

Alarm	Attributes	Applicable major NE releases
Name: DS1E1ResourceAvailabilityIndicator (114) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: resourceAvailabilityIndicator (98)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0

(1 of 2)

15 – Alcatel-Lucent 7710 SR alarms

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when an NE reports that a specific DS1 or E1 channel has an RAI alarm condition.		
Raising condition: (('Outstanding Alarms'anyBit'Resource Availability Indicator') AND ('Report Alarms'anyBit'Resource Availability Indicator'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Resource Availability Indicator') AND ('Report Alarms'anyBit'Resource Availability Indicator'))))		
Remedial action: Informational only.		

(2 of 2)

Table 15-82 DS1E1SignalDegradation

Alarm	Attributes	Applicable major NE releases
Name: DS1E1SignalDegradation (500) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: signalDegradation (386)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an NE reports that a specific DS1 or E1 channel has an SD alarm condition.		
Raising condition: (('Outstanding Alarms'anyBit'Signal Degradation') AND ('Report Alarms'anyBit'Signal Degradation'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Signal Degradation') AND ('Report Alarms'anyBit'Signal Degradation'))))		
Remedial action: Informational only.		

Table 15-83 DS1E1SignalFailure

Alarm	Attributes	Applicable major NE releases
Name: DS1E1SignalFailure (501) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: signalFailure (387)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an NE reports that a specific DS1 or E1 channel has an SF alarm condition.		
Raising condition: (('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))))		
Remedial action: Informational only.		

Table 15-84 DS3E3AlarmIndicationSignal

Alarm	Attributes	Applicable major NE releases
Name: DS3E3AlarmIndicationSignal (115) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS3E3ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: alarmIndicationSignal (96)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an NE reports that a specific DS3 or E3 channel has an AIS alarm condition.		
Raising condition: (('Outstanding Alarms'anyBit'Alarm Indication Signal') AND ('Report Alarms'anyBit'Alarm Indication Signal'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Alarm Indication Signal') AND ('Report Alarms'anyBit'Alarm Indication Signal'))))		
Remedial action: Informational only.		

Table 15-85 DS3E3Looped

Alarm	Attributes	Applicable major NE releases
Name: DS3E3Looped (120) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS3E3ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: farEndLoopback (102)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an NE reports that a specific DS3 or E3 channel has a remote loopback alarm condition.		
Raising condition: (('Outstanding Alarms'anyBit'Far end wants the near end to loopback') AND ('Report Alarms'anyBit'Far end wants the near end to loopback'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Far end wants the near end to loopback') AND ('Report Alarms'anyBit'Far end wants the near end to loopback'))))		
Remedial action: Informational only.		

Table 15-86 DS3E3LossOfSignal

Alarm	Attributes	Applicable major NE releases
Name: DS3E3LossOfSignal (116) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS3E3ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: lossOfSignal (99)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an NE reports that a specific DS3 or E3 channel has an LOS alarm condition.		
Raising condition: (('Outstanding Alarms'anyBit'Loss of Signal') AND ('Report Alarms'anyBit'Loss of Signal'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Loss of Signal') AND ('Report Alarms'anyBit'Loss of Signal'))))		

(1 of 2)

15 – Alcatel-Lucent 7710 SR alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: Informational only.		

(2 of 2)

Table 15-87 DS3E3OutOfFrame

Alarm	Attributes	Applicable major NE releases
Name: DS3E3OutOfFrame (117) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS3E3ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: outOfFrame (100)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an NE reports that a specific DS3 or E3 channel has an OOF alarm condition.		
Raising condition: (('Outstanding Alarms'anyBit'Out Of Frame') AND ('Report Alarms'anyBit'Out Of Frame'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Out Of Frame') AND ('Report Alarms'anyBit'Out Of Frame'))))		
Remedial action: Informational only.		

Table 15-88 DS3E3ResourceAvailability

Alarm	Attributes	Applicable major NE releases
Name: DS3E3ResourceAvailability (119) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS3E3ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: resourceAvailabilityIndicator (98)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an NE reports that a specific DS3 or E3 channel has an RAI alarm condition.		
Raising condition: (('Outstanding Alarms'anyBit'Resource Availability Indicator') AND ('Report Alarms'anyBit'Resource Availability Indicator'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Resource Availability Indicator') AND ('Report Alarms'anyBit'Resource Availability Indicator'))))		
Remedial action: Informational only.		

Table 15-89 EfmOamAlarm

Alarm	Attributes	Applicable major NE releases
Name: EfmOamAlarm (4617) Type: equipmentAlarm (3) Package: ethernetEquipment Raised on class: ethernetEquipment.Dot3Oam	Severity: minor Implicitly cleared: true Default probable cause: EFMOperationalStateOutOfService (1886)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when EFM Ignore status is Enabled, and Physical port Administrative State is Down.		
Raising condition: ('Ignore EFM State' EQUAL 'true')		
Clearing condition: ('Ignore EFM State' EQUAL 'true')		
Remedial action: The alarm is raised when EFM Ignore status is Enabled, and Physical port Administrative State is Down.		

Table 15-90 EquipmentAdministrativelyDown

Alarm	Attributes	Applicable major NE releases
Name: EquipmentAdministrativelyDown (455) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: minor Implicitly cleared: true Default probable cause: equipmentAdministrativelyDown (326)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentAdministrativelyDown.		
Raising condition: ('compositeEquipmentState' EQUAL 'Admin Down')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Admin Down')		
Remedial action: Informational - no corrective action required.		

Table 15-91 EquipmentDegraded

Alarm	Attributes	Applicable major NE releases
Name: EquipmentDegraded (604) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: minor Implicitly cleared: true Default probable cause: singleFanFailure (450)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a single fan fails. The chassis attempts to continue operating within the normal temperature range using only the remaining fans.		
Raising condition: ('Device State' EQUAL 'MinorFailure')		
Clearing condition: ('Device State' NOT EQUAL 'MinorFailure')		
Remedial action: The failed fan unit should be replaced.		

Table 15-92 EquipmentDown

Alarm	Attributes	Applicable major NE releases
Name: EquipmentDown (10) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: inoperableEquipment (8)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentOperationallyDown.		
Raising condition: ('compositeEquipmentState' EQUAL 'Oper Down')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Oper Down')		
Remedial action: This alarm indicates that a card in the NE has failed. The card must be replaced.		

Table 15-93 EquipmentFailure

Alarm	Attributes	Applicable major NE releases
Name: EquipmentFailure (145) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.ReplaceableUnit	Severity: critical Implicitly cleared: true Default probable cause: cardFailure (123)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a control processor or power-supply tray reports a failure. When the object type is ControlProcessor, a CPM may be unable to boot. When the object type is Power Supply Tray and the alarm is raised during device discovery, a power-supply tray may be out of service. When the object type is a Power Supply Tray and the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
Raising condition: ('operationalState' EQUAL 'Failed')		
Clearing condition: ('operationalState' NOT EQUAL 'Failed')		
Remedial action: If the alarm indicates that the CPM card has a fault, remove the card and reset it. If this does not clear the alarm then please contact Alcatel-Lucent support for assistance. If the alarm indicates that the Power Supply tray is out of service ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 15-94 EquipmentInTest

Alarm	Attributes	Applicable major NE releases
Name: EquipmentInTest (11) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: warning Implicitly cleared: true Default probable cause: equipmentInTest (9)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when equipment enters a diagnostic state.		
Raising condition: ('compositeEquipmentState' EQUAL 'In Test')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'In Test')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: Informational - no corrective action required.		

(2 of 2)

Table 15-95 EquipmentMismatch

Alarm	Attributes	Applicable major NE releases
Name: EquipmentMismatch (9) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: equipmentTypeMismatch (7)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMismatch.		
Raising condition: ('compositeEquipmentState' EQUAL 'Type Mismatch')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Type Mismatch')		
Remedial action: A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

Table 15-96 EquipmentRemoved

Alarm	Attributes	Applicable major NE releases
Name: EquipmentRemoved (8) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: replaceableEquipmentRemoved (6)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMissing.		
Raising condition: (('compositeEquipmentState' EQUAL 'Removed') AND ('isEquipmentInserted' EQUAL 'true'))		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Removed')		
Remedial action: Informational - this alarm is raised when a card is removed.		

Table 15-97 EthCSF

Alarm	Attributes	Applicable major NE releases
Name: EthCSF (3721) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: variable Implicitly cleared: true Default probable cause: EthCSF (1459)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a MEP receives a CCM frame with an interface status TLV of 'Down'.		

(1 of 2)

15 – Alcatel-Lucent 7710 SR alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: This alarm is raised when a MEP receives a CCM frame with an interface status TLV of Down.		

(2 of 2)

Table 15-98 EthernetPortConfiguredLoopback

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortConfiguredLoopback (801) Type: configurationAlarm (11) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: warning Implicitly cleared: true Default probable cause: ethernetPortConfiguredLoopback (567)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a timed loopback is in effect for an Ethernet port.		
Raising condition: (('Type' NOT EQUAL 'None'))		
Clearing condition: (('Type' EQUAL 'None'))		
Remedial action: This alarm has been raised by the node because "Timed Loopback" option of the specific port's Ethernet property has been enabled. To resolve this problem from "Ethernet" tab of "Physical Port" properties form configure "Timed Loopback" Type property as "None".		

Table 15-99 EthernetPortDuplicateLane

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortDuplicateLane (3557) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: DuplicateLane (1387)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a device reports a Duplicate Lane on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 15-100 EthernetPortHighBer

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortHighBer (307) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a device reports a high bit-error rate on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))		
Remedial action: One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 15-101 EthernetPortLocalFault

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortLocalFault (305) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: LocalFault (236)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a device reports a local fault on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))		
Remedial action: One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 15-102 EthernetPortNoAmLock

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortNoAmLock (3558) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoAmLock (1388)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a device reports a No Am Lock on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))		

(1 of 2)

15 – Alcatel-Lucent 7710 SR alarms

Alarm	Attributes	Applicable major NE releases
Clearing condition: NOT (((('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

(2 of 2)

Table 15-103 EthernetPortNoBlockLock

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortNoBlockLock (3559) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoBlockLock (1389)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a device reports a No Block Lock on an Ethernet port.		
Raising condition: ((('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock')))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock'))))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 15-104 EthernetPortNoFrameLock

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortNoFrameLock (306) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoFrameLock (237)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a device reports No Frame Lock on an Ethernet port.		
Raising condition: ((('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock')))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock'))))		
Remedial action: One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 15-105 EthernetPortRemoteFault

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortRemoteFault (304) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: RemoteFault (235)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a device reports a remote fault on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault'))		
Remedial action: One of the following conditions exists on the remote physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 15-106 EthernetPortSignalFailure

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortSignalFailure (303) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: SignalFailure (234)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a device reports a signal failure on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))		
Remedial action: One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 15-107 ExternalTimingReferenceNotQualified

Alarm	Attributes	Applicable major NE releases
Name: ExternalTimingReferenceNotQualified (548) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: timingReferenceNotQualified (418)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the External timing reference on an NE is not in the Qualified state.		
Raising condition: (('Qualified For Use' EQUAL 'Not Qualified') AND ('Administrative State' NOT EQUAL 'Down'))		
Clearing condition: (('Qualified For Use' NOT EQUAL 'Not Qualified') OR ('Administrative State' EQUAL 'Down'))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: Informational		

(2 of 2)

Table 15-108 FanFailure

Alarm	Attributes	Applicable major NE releases
Name: FanFailure (624) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: fanFailure (116)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the associated fan is not operationally Up.		
Raising condition: (('Device State' EQUAL 'Failed') OR ('Device State' EQUAL 'Unknown') OR ('Device State' EQUAL 'OutOfservice'))		
Clearing condition: ('Device State' EQUAL 'OK')		
Remedial action: Remove and reset the fan unit. If this does not resolve the problem replace the fan.		

Table 15-109 FanTrayRemoved

Alarm	Attributes	Applicable major NE releases
Name: FanTrayRemoved (569) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: FanTrayRemoved (438)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the deviceState attribute has a value of deviceNotEquipped.		
Raising condition: ('Device State' EQUAL 'Not Equipped')		
Clearing condition: ('Device State' NOT EQUAL 'Not Equipped')		
Remedial action: Informational - a fan tray has been removed from the NE.		

Table 15-110 ForwardingTableSizeLimitReached

Alarm	Attributes	Applicable major NE releases
Name: ForwardingTableSizeLimitReached (164) Type: resourceAlarm (28) Package: l2fwd Raised on class: l2fwd.SiteFib	Severity: major Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when the number of MAC address entries in the FIB reaches or exceeds the VPLS site high watermark specified by I2fwd.SiteFib.highWatermark. The alarm clears when the number of MAC address entries in the FIB drops below the VPLS site low watermark specified by I2fwd.SiteFib.lowWatermark. The alarm can be raised against a VPLS site, L2 access interface, or spoke SDP binding.		
Raising condition: (('Entries' >= 'Size') OR ('Entries' >= (('High Watermark' * 'Size') / 100.0)))"		
Clearing condition: (('Entries' < 'Size') AND (('High Watermark' EQUAL '0L') OR ('Entries' < (('Low Watermark' * 'Size') / 100.0))) AND (('Low Watermark' EQUAL '0L') OR ('Entries' < (('Low Watermark' * 'Size') / 100.0))))		
Remedial action: Informational		

(2 of 2)

Table 15-111 FrameSizeProblem (netw)

Alarm	Attributes	Applicable major NE releases
Name: FrameSizeProblem (37) Type: configurationAlarm (11) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: frameSizeProblem (33)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a provisioned MTU size value is greater than the supported MTU size value.		
Raising condition: (('mtuMismatch' EQUAL 'true') AND ('portId' NOT EQUAL '0L'))		
Clearing condition: (('mtuMismatch' EQUAL 'false') OR ('portId' EQUAL '0L'))		
Remedial action: A configuration error has been made which must be corrected. The MTU value must be changed such that is less than or equal to the supported MTU size value.		

Table 15-112 FrameSizeProblem (svt)

Alarm	Attributes	Applicable major NE releases
Name: FrameSizeProblem (37) Type: configurationAlarm (11) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: frameSizeProblem (33)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a provisioned MTU size value is greater than the supported MTU size value.		
Raising condition: (('Operational State' EQUAL 'MTU Mismatch') OR ('Operational State' EQUAL 'Tunnel MTU Too Small'))		
Clearing condition: (('Operational State' NOT EQUAL 'MTU Mismatch') AND ('Operational State' NOT EQUAL 'Tunnel MTU Too Small'))		
Remedial action: The MTU value must be changed such that is less than or equal to the supported MTU size value.		

Table 15-113 GaPeerDown

Alarm	Attributes	Applicable major NE releases
Name: GaPeerDown (3303) Type: EpcAlarm (59) Package: Iteggnsn Raised on class: Iteggnsn.GaPeer	Severity: major Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the path management state of a Ga peer changes to a state other than Up.		
Raising condition: ('Path Management State' NOT EQUAL 'Active')		
Clearing condition: ('Path Management State' EQUAL 'Active')		
Remedial action: A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

Table 15-114 GroupDown

Alarm	Attributes	Applicable major NE releases
Name: GroupDown (69) Type: ProtocolAlarm (1) Package: rip Raised on class: rip.Group	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a RIP group has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
Clearing condition: (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
Remedial action: The RIP Group is down while it is administratively up. Please check RIP related configuration e.g., the RIP is not shutdown.		

Table 15-115 GroupInterfaceDown

Alarm	Attributes	Applicable major NE releases
Name: GroupInterfaceDown (441) Type: GroupInterfaceAlarm (44) Package: service Raised on class: service.GroupInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the 5620 SAM detects that a group interface is operationally down. The alarm clears when the group interface is operationally up.		
Raising condition: ('operationalState' NOT EQUAL 'Up')		
Clearing condition: ('operationalState' EQUAL 'Up')		
Remedial action: Check the configuration and the underlying physical interface.		

Table 15-116 IGHMisconfigured

Alarm	Attributes	Applicable major NE releases
Name: IGHMisconfigured (827) Type: ighAlarm (74) Package: igh Raised on class: igh.InterfaceGroupHandler	Severity: major Implicitly cleared: true Default probable cause: IGHProtocolMismatch (590)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the IGH is administratively up but none of the IGH protocols is operationally up.		
Raising condition: (('igh_misconfigured' EQUAL '\yes\') AND ('Administrative State' EQUAL 'Up'))		
Clearing condition: (('igh_misconfigured' NOT EQUAL '\yes\') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: Please check the configuration.		

Table 15-117 IgmpDown

Alarm	Attributes	Applicable major NE releases
Name: IgmpDown (158) Type: ProtocolAlarm (1) Package: igmp Raised on class: igmp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an IGMP site has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: While configured under VPRN, check if VPRN site is admin down, or if route distinguisher is not configured.		

Table 15-118 IgmpMaxGrpSrcsLimitExceeded

Alarm	Attributes	Applicable major NE releases
Name: IgmpMaxGrpSrcsLimitExceeded (4624) Type: configurationAlarm (11) Package: igmp Raised on class: igmp.Interface	Severity: major Implicitly cleared: false Default probable cause: IgmpMaxGrpSrcsLimitExceeded (1892)	<ul style="list-style-type: none"> • 11.0 • 12.0
Description: The alarm is raised when an attempt is made to configure an IGMP group source for a group when the number of group sources for this group is equal to 'maxGrpSources', the maximum number of group sources per group supported on the interface.		
Remedial action: Needs to increase 'maxGrpSources' value to allow more sources on this interface.		

Table 15-119 IncompleteConfig (multichassis)

Alarm	Attributes	Applicable major NE releases
Name: IncompleteConfig (294) Type: configurationAlarm (11) Package: multichassis Raised on classes: <ul style="list-style-type: none"> multichassis.MultiChassisSync multichassis.MultiChassisLagMember 	Severity: major Implicitly cleared: true Default probable cause: incompleteConfig (225)	<ul style="list-style-type: none"> 10.0 11.0 12.0 9.0
Description: The alarm is raised when a peer configuration cannot be found on the peer NE.		
Raising condition: ('mLagPointer' EQUAL '\')		
Clearing condition: ('mLagPointer' NOT EQUAL '\')		
Remedial action: Configure the missing peered object.		

Table 15-120 IncompleteConfiguration

Alarm	Attributes	Applicable major NE releases
Name: IncompleteConfiguration (1942) Type: operationalViolation (93) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: incompleteConfig (225)	<ul style="list-style-type: none"> 10.0 11.0 12.0 9.0
Description: The alarm is raised when a pre-provisioned NE has no objects configured beneath it.		
Raising condition: (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' EQUAL '\'))		
Clearing condition: (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' NOT EQUAL '\'))		
Remedial action: A configuration error has been made which must be corrected. The configuration of the pre-provisioned NE is incomplete. A work order was not associated with the pre-provisioned NE and as a consequence the attempt to auto-configure the NE failed.		

Table 15-121 IncorrectEndPointPeerConfig

Alarm	Attributes	Applicable major NE releases
Name: IncorrectEndPointPeerConfig (1068) Type: configurationAlarm (11) Package: multichassis Raised on class: multichassis.MultiChassisEndpoint	Severity: major Implicitly cleared: true Default probable cause: incompleteEPPeerConfig (810)	<ul style="list-style-type: none"> 10.0 11.0 12.0 9.0
Description: The alarm is raised when a peer configuration cannot be found on the peer NE.		
Raising condition: ('MC EndPoint Group Pointer' EQUAL '\')		
Clearing condition: ('MC EndPoint Group Pointer' NOT EQUAL '\')		
Remedial action: The peered object cannot be found on the peer NE. Either delete this one, or create the missing peer object.		

Table 15-122 IncorrectNeighborConfig

Alarm	Attributes	Applicable major NE releases
Name: IncorrectNeighborConfig (609) Type: configurationAlarm (11) Package: aps Raised on class: aps.ApsGroup	Severity: major Implicitly cleared: true Default probable cause: incorrectNeighborConfig (452)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the peer does not exist or the neighbor address does not point to a network interface on the NE that contains the peer object.		
Raising condition: (('Type' EQUAL 'MultiChassis') AND ('Neighbor match' EQUAL 'false'))		
Clearing condition: (('Type' EQUAL 'SingleChassis') OR ('Neighbor match' EQUAL 'true'))		
Remedial action: Make sure a peer exist and the neighbor address points to a network interface on the NE that contains the peer object.		

Table 15-123 IncorrectPeerConfig

Alarm	Attributes	Applicable major NE releases
Name: IncorrectPeerConfig (779) Type: configurationAlarm (11) Package: multichassis Raised on class: multichassis.AbstractPeer	Severity: major Implicitly cleared: true Default probable cause: IncorrectPeerConfig (554)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an MC peer does not exist, or when an MC peer exists but the peer address is not the address of a network interface on the peer.		
Raising condition: ('peerMatchFound' EQUAL 'false')		
Clearing condition: ('peerMatchFound' EQUAL 'true')		
Remedial action: The peer configuration cannot be found on the peer NE. Either delete this one, or create the missing peer object.		

Table 15-124 IncorrectPeerSynchronizationPortConfig

Alarm	Attributes	Applicable major NE releases
Name: IncorrectPeerSynchronizationPortConfig (780) Type: configurationAlarm (11) Package: multichassis Raised on class: multichassis.PeerSynchronizationPort	Severity: major Implicitly cleared: true Default probable cause: IncorrectPeerSynchronizationPortConfig (555)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the peer port does not exist, or when the peer port exists but the synchronization tags of the peers do not match.		
Raising condition: ('peerMatchFound' EQUAL 'false')		
Clearing condition: ('peerMatchFound' EQUAL 'true')		

(1 of 2)

15 – Alcatel-Lucent 7710 SR alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: Check if the peer port does not exist, or the peer port exists but the synchronization tags do not match.		

(2 of 2)

Table 15-125 IncorrectPeerSynchronizationPortEncapRangeConfig

Alarm	Attributes	Applicable major NE releases
Name: IncorrectPeerSynchronizationPortEncapRangeConfig (781) Type: configurationAlarm (11) Package: multichassis Raised on class: multichassis.PeerSynchronizationPortEncapRange	Severity: major Implicitly cleared: true Default probable cause: IncorrectPeerSynchronizationPortEncapRangeConfig (556)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the VLAN ranges on the Multi-Chassis synchronization peers do not match.		
Raising condition: ('Neighbor Match' EQUAL 'false')		
Clearing condition: ('Neighbor Match' EQUAL 'true')		
Remedial action: Update the VLAN ranges on the Multi-Chassis synchronization peers to make them matching.		

Table 15-126 InstanceDown (srrp)

Alarm	Attributes	Applicable major NE releases
Name: InstanceDown (284) Type: configurationAlarm (11) Package: srrp Raised on class: srrp.Instance	Severity: major Implicitly cleared: true Default probable cause: instanceDown (216)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the 5620 SAM detects that an SRRP instance is operationally down.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' EQUAL 'Initialize'))		
Clearing condition: (('Operational State' NOT EQUAL 'Initialize') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: Check the configuration of the instance		

Table 15-127 InstanceDown (vrrp)

Alarm	Attributes	Applicable major NE releases
Name: InstanceDown (284) Type: configurationAlarm (11) Package: vrrp Raised on class: vrrp.AbstractInstance	Severity: major Implicitly cleared: true Default probable cause: instanceDown (216)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when the 5620 SAM detects that a VRRP instance is operationally down.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: Check the instance configuration		

(2 of 2)

Table 15-128 InterfaceDown (netw)

Alarm	Attributes	Applicable major NE releases
Name: InterfaceDown (36) Type: InterfaceAlarm (13) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an interface or underlying resource fails, as indicated by an interface compositeState attribute value of failed or underlyingResourceFailed.		
Raising condition: (('compositeState' EQUAL 'Inoperable') OR ('compositeState' EQUAL 'Underlying Resource Inoperable'))		
Clearing condition: (('compositeState' NOT EQUAL 'Inoperable') AND ('compositeState' NOT EQUAL 'Underlying Resource Inoperable'))		
Remedial action: A physical port (physical interface, LAG, channel) associated with the network interface in not operation. Ensure that the interface is cabled and that there isn't a configuration error (i.e. MTU size set incorrectly) on the interface. Once the issue w		

Table 15-129 InterfaceDown (service)

Alarm	Attributes	Applicable major NE releases
Name: InterfaceDown (36) Type: configurationAlarm (11) Package: service Raised on class: service.RedundantInterface	Severity: major Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the 5620 SAM detects that a redundant interface is operationally down.		
Raising condition: (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
Clearing condition: (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
Remedial action: A physical port (physical interface, LAG, channel) associated with the network interface in not operation. Ensure that the interface is cabled and that there isn't a configuration error (i.e. MTU size set incorrectly) on the interface. Once the issue w		

Table 15-130 InterfaceDown (vpls)

Alarm	Attributes	Applicable major NE releases
Name: InterfaceDown (36) Type: configurationAlarm (11) Package: vpls Raised on class: vpls.L2ManagementInterface	Severity: major Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an L2 management interface has an Operational State of Down, and the associated VPLS site has an Administrative State of Up.		
Raising condition: (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
Clearing condition: (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
Remedial action: The condition exists because the physical interface is down either because it is administratively disabled, faulty or a cabling fault has occurred. Ensure that the interface is administratively up. Check for a poor cable connection to the port or for a faulty cable/fiber. If neither appears to be the problem run diagnostics on the port to determine if it is faulty.		

Table 15-131 InterfaceDown (vprn)

Alarm	Attributes	Applicable major NE releases
Name: InterfaceDown (36) Type: configurationAlarm (11) Package: vprn Raised on class: vprn.IPMirrorInterface	Severity: major Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the 5620 SAM detects that an interface is operationally down.		
Raising condition: (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
Clearing condition: (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
Remedial action: A physical port (physical interface, LAG, channel) associated with the network interface in not operation. Ensure that the interface is cabled and that there isn't a configuration error (i.e. MTU size set incorrectly) on the interface. Once the issue w		

Table 15-132 InterfaceNeighborDown

Alarm	Attributes	Applicable major NE releases
Name: InterfaceNeighborDown (661) Type: NeighborDown (20) Package: ospf Raised on class: ospf.Interface	Severity: warning Implicitly cleared: true Default probable cause: NeighborDown (103)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an interface neighbor is operationally down.		
Raising condition: (('Neighbor Count' EQUAL '0L') AND ('interfaceClass' NOT EQUAL 'System') AND ('Passive' NOT EQUAL 'true'))		
Clearing condition: (('Neighbor Count' NOT EQUAL '0L') OR ('Passive' EQUAL 'true'))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: This alarm is raised when the OSPF interface neighbor is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

(2 of 2)

Table 15-133 IsisAdjacencyDown

Alarm	Attributes	Applicable major NE releases
Name: IsisAdjacencyDown (153) Type: adjacencyAlarm (31) Package: isis Raised on class: isis.Interface	Severity: minor Implicitly cleared: true Default probable cause: IsisInterfaceDown (232)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an IS-IS interface has no adjacencies, for example, because the IS-IS protocol on the remote site is down.		
Raising condition: (('Adjacency Count' EQUAL '0L') AND ('interfaceClass' NOT EQUAL 'System') AND ('Passive' NOT EQUAL 'True'))		
Clearing condition: (('Adjacency Count' > '0L') OR ('Passive' EQUAL 'True'))		
Remedial action: Check remote site to see if corresponding IS-IS interface is configured and admin up.		

Table 15-134 IsisDown

Alarm	Attributes	Applicable major NE releases
Name: IsisDown (19) Type: ProtocolAlarm (1) Package: isis Raised on class: isis.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an IS-IS site has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: The protocol is not working anymore, could be a problem with IP addresses, resources on the device, ...		

Table 15-135 IsisInterfaceDown

Alarm	Attributes	Applicable major NE releases
Name: IsisInterfaceDown (301) Type: ProtocolAlarm (1) Package: isis Raised on class: isis.Interface	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an IS-IS interface has an Operational State other than Up.		
Raising condition: ('Operational State' EQUAL 'Down')		
Clearing condition: ('Operational State' NOT EQUAL 'Down')		
Remedial action: Check if underlying port is down, or associated network interface is down.		

Table 15-136 KeepAliveProblem

Alarm	Attributes	Applicable major NE releases
Name: KeepAliveProblem (100) Type: oamAlarm (18) Package: svt Raised on class: svt.Tunnel	Severity: warning Implicitly cleared: true Default probable cause: keepAliveFailed (86)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the 5620 SAM detects a keep-alive protocol status of senderIdInvalid or responderIdError.		
Raising condition: (('Keep-Alive State' NOT EQUAL 'Disabled') AND ('Keep-Alive State' NOT EQUAL 'Alive') AND ('Keep-Alive State' NOT EQUAL 'Unknown'))		
Clearing condition: (('Keep-Alive State' EQUAL 'Disabled') OR ('Keep-Alive State' EQUAL 'Alive') OR ('Keep-Alive State' EQUAL 'Unknown'))		
Remedial action: Check the configuration of this tunnel and underlying physical transport.		

Table 15-137 LabelProblem

Alarm	Attributes	Applicable major NE releases
Name: LabelProblem (98) Type: CircuitAlarm (17) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: labelProblem (84)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an ingress or an egress label is missing.		
Raising condition: (('Operational State' EQUAL 'No Egress Label') OR ('Operational State' EQUAL 'No Ingress Label') OR ('Operational State' EQUAL 'No Labels'))		
Clearing condition: (('Operational State' NOT EQUAL 'No Egress Label') AND ('Operational State' NOT EQUAL 'No Ingress Label') AND ('Operational State' NOT EQUAL 'No Labels'))		
Remedial action: An ingress or egress label is missing for the SDP binding.		

Table 15-138 LagDown

Alarm	Attributes	Applicable major NE releases
Name: LagDown (20) Type: equipmentAlarm (3) Package: lag Raised on class: lag.Interface	Severity: critical Implicitly cleared: true Default probable cause: lagDown (17)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when all ports in a LAG are operationally down.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
Clearing condition: (('operationalState' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: This alarm indicates that all physical Ethernet links associated with a LAG are operationally down. The reasons for the links to be down may vary from link to link. The following possible causes of this alarm should be investigated. The physical port (near end or far end) may have failed - this can be remedied by replacing the interface card in question. The physical links may have been turned down administratively - re-enable the links. A cable failure or disconnect may have occurred - please ensure that the cables are properly connected to the physical port and that the cable has not been damaged.		

Table 15-139 LagPortAddFailed

Alarm	Attributes	Applicable major NE releases
Name: LagPortAddFailed (422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: warning Implicitly cleared: true Default probable cause: linkDown (315)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the Lag Port Add function Fails.		
Raising condition: (('state' EQUAL 'Link Down') AND ('LAG ID' > '0'))		
Clearing condition: (('state' NOT EQUAL 'Link Down') OR ('LAG ID' EQUAL '0'))		
Remedial action: A configuration error has occurred which must be corrected. The link that was to be added to the LAG group may be of the wrong type (i.e. non ethernet) or the limit of the number of links supported in a LAG may have been reached.		

Table 15-140 LdpDown

Alarm	Attributes	Applicable major NE releases
Name: LdpDown (22) Type: ProtocolAlarm (1) Package: ldp Raised on class: ldp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an LDP site has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: Check operational state down reason and update accordingly.		

Table 15-141 LdpSessionNonexistent

Alarm	Attributes	Applicable major NE releases
Name: LdpSessionNonexistent (2954) Type: LdpSessionAlarm (101) Package: ldp Raised on class: ldp.Session	Severity: critical Implicitly cleared: true Default probable cause: LdpSessionDown (1149)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an LDP session is non-existent.		
Raising condition: ('Session State' EQUAL 'Non-existent')		
Clearing condition: ('Session State' EQUAL 'Operational')		
Remedial action: Please check the LDP session path to make sure all associated protocols/interfaces/connections are OK.		

Table 15-142 LdpTargetedPeerDown

Alarm	Attributes	Applicable major NE releases
Name: LdpTargetedPeerDown (23) Type: ProtocolAlarm (1) Package: ldp Raised on class: ldp.TargetedPeer	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an LDP targeted peer is operationally down.		
Raising condition: (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
Clearing condition: (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
Remedial action: Please check the route to LDP targeted peer to make sure all associated protocols/interfaces/connections are OK.		

Table 15-143 LicensedLimitExceeded

Alarm	Attributes	Applicable major NE releases
Name: LicensedLimitExceeded (127) Type: licensingAlarm (23) Package: security Raised on class: security.ProductLicense	Severity: critical Implicitly cleared: true Default probable cause: licensedLimitExceeded (106)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the license items in the network exceeds 100 percent of the license capacity.		
Raising condition: ('Exceeded' EQUAL 'true')		
Clearing condition: ('Exceeded' NOT EQUAL 'true')		
Remedial action: Informational - The number of SAM licenses purchased and available on the SAM server is insufficient as compared to the number of NEs/MDA/Cells under management in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

Table 15-144 LineAlarmIndicationSignal

Alarm	Attributes	Applicable major NE releases
Name: LineAlarmIndicationSignal (84) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: lineAlarmIndicationSignal (70)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a SONET port reports an LAIS error. The alarm corresponds to the lais alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'Line Alarm Indication Signal') AND ('Report Alarms'anyBit'Line Alarm Indication Signal'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Line Alarm Indication Signal') AND ('Report Alarms'anyBit'Line Alarm Indication Signal'))))		
Remedial action: Informational only.		

Table 15-145 LineErrorCondition

Alarm	Attributes	Applicable major NE releases
Name: LineErrorCondition (94) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: lineErrorCondition (80)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a SONET port reports a line error condition that a remote NE raises because of b1 errors received from the local NE. The alarm corresponds to the lrei alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'Line Error Condition') AND ('Report Alarms'anyBit'Line Error Condition'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Line Error Condition') AND ('Report Alarms'anyBit'Line Error Condition'))))		
Remedial action: Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 15-146 LineRemoteDefectIndication

Alarm	Attributes	Applicable major NE releases
Name: LineRemoteDefectIndication (85) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: lineRemoteDefectIndication (71)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a SONET port reports a line remote defect indication error caused by an LOF, LOC, or LOS condition. The alarm corresponds to the lrdi alarm on an NE.		

(1 of 2)

15 – Alcatel-Lucent 7710 SR alarms

Alarm	Attributes	Applicable major NE releases
Raising condition: (('Outstanding Alarms'anyBit'Line Remote Defect Indication') AND ('Report Alarms'anyBit'Line Remote Defect Indication'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'Line Remote Defect Indication') AND ('Report Alarms'anyBit'Line Remote Defect Indication'))		
Remedial action: Informational only.		

(2 of 2)

Table 15-147 LinkDown

Alarm	Attributes	Applicable major NE releases
Name: LinkDown (12) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: portLinkProblem (10)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a port has no associated physical link or remote end point is operationally down.		
Raising condition: (('compositeEquipmentState' EQUAL 'Link Down') OR ('compositeEquipmentState' EQUAL 'Oper Down'))		
Clearing condition: (('compositeEquipmentState' NOT EQUAL 'Link Down') AND ('compositeEquipmentState' NOT EQUAL 'Oper Down'))		
Remedial action: Please make sure that port has physical link and remote end point is operationally up.		

Table 15-148 LocalRncvOperDown

Alarm	Attributes	Applicable major NE releases
Name: LocalRncvOperDown (521) Type: redundancyAlarm (52) Package: multichassis Raised on class: multichassis.MultiChassisRingNode	Severity: major Implicitly cleared: true Default probable cause: localRncvDisconnected (396)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the local RNCV Operational State of a ring node is other than Connected or NotTested, which means that the ring node is not connected to the local MC ring group. The alarm clears when the ring node enters the Connected or NotTested state.		
Raising condition: (('Local Operational State' NOT EQUAL 'Connected') AND ('Local Operational State' NOT EQUAL 'Not Tested'))		
Clearing condition: (('Local Operational State' EQUAL 'Connected') OR ('Local Operational State' EQUAL 'Not Tested'))		
Remedial action: Make sure that ring node is properly connected to MC ring group.		

Table 15-149 LossOfClock (sonetequipment)

Alarm	Attributes	Applicable major NE releases
Name: LossOfClock (83) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: lossOfClock (69)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a SONET port reports an LOC condition, which causes the NE to set the port Operational State to Down.		
Raising condition: (('Outstanding Alarms'anyBit'Loss of Clock') AND ('Report Alarms'anyBit'Loss of Clock'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Loss of Clock') AND ('Report Alarms'anyBit'Loss of Clock'))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected.		

Table 15-150 LowTemperatureDetected

Alarm	Attributes	Applicable major NE releases
Name: LowTemperatureDetected (1127) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOvercooled (838)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the chassis temperature falls below the minimum threshold.		
Raising condition: ('Low Temperature State' EQUAL 'Low')		
Clearing condition: ('Low Temperature State' NOT EQUAL 'Low')		
Remedial action: The NE has detected internal temperatures which are abnormally low. This may happen when the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 15-151 LspDown

Alarm	Attributes	Applicable major NE releases
Name: LspDown (25) Type: pathAlarm (12) Package: mpls Raised on class: mpls.Lsp	Severity: critical Implicitly cleared: true Default probable cause: lspDown (19)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the Operational State of an LSP is Down, but the Administrative State is Up.		
Raising condition: (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
Clearing condition: (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
Remedial action: So many things can cause LSP down, check if source and destination interfaces are down, LSP path is down and the failure code, or MPLS path is down...		

Table 15-152 LspPathBypassTunnelActive

Alarm	Attributes	Applicable major NE releases
Name: LspPathBypassTunnelActive (264) Type: pathAlarm (12) Package: mpls Raised on class: mpls.LspPath	Severity: warning Implicitly cleared: true Default probable cause: LspPathReroutedToBypassTunnel (197)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an LSP primary path is rerouted to the bypass tunnel. The alarm clears when the primary path returns to the original tunnel and the actual hop returns to the primary path.		
Raising condition: ('Bypass Tunnel Active' EQUAL 'true')		
Clearing condition: ('Bypass Tunnel Active' EQUAL 'false')		
Remedial action: There is a problem with the original path, check what is the problem and fix it if possible.		

Table 15-153 LspPathDown

Alarm	Attributes	Applicable major NE releases
Name: LspPathDown (26) Type: pathAlarm (12) Package: mpls Raised on class: mpls.LspPath	Severity: major Implicitly cleared: true Default probable cause: LspPathDown (20)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an LSP path is operationally down.		
Raising condition: (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up') AND ('Type' EQUAL 'Standby'))		
Clearing condition: (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up') OR ('Type' EQUAL 'Secondary'))		
Remedial action: Check the failure code and update accordingly, e.g. whether MPLS/RSVP interfaces, OSPF interfaces are down.		

Table 15-154 macMoveRateExceeded (service)

Alarm	Attributes	Applicable major NE releases
Name: macMoveRateExceeded (3690) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: minor Implicitly cleared: true Default probable cause: MacMoveRateExceeded (1429)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site.		
Raising condition: ('State Cause'anyBit'Relearn Limit Exceeded')		
Clearing condition: NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		
Remedial action: Informational.		

Table 15-155 macMoveRateExceeded (svt)

Alarm	Attributes	Applicable major NE releases
Name: macMoveRateExceeded (3690) Type: SpokeSdpBindingAlarm (104) Package: svt Raised on class: svt.SpokeSdpBinding	Severity: minor Implicitly cleared: true Default probable cause: MacMoveRateExceeded (1429)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the SDP exceeds the Service Site's MAC Move Frequency.		
Raising condition: ('operationalFlags'anyBit'Relearn Limit Exceeded')		
Clearing condition: NOT (('operationalFlags'anyBit'Relearn Limit Exceeded'))		
Remedial action: Check Service Site MAC move frequency or underlying physical link to understand issue.		

Table 15-156 macMoveRateExceededNonBlock (service)

Alarm	Attributes	Applicable major NE releases
Name: macMoveRateExceededNonBlock (4893) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: info Implicitly cleared: true Default probable cause: MacMoveRateExceededNonBlock (1951)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site when limitMacMove(sapTIsLimitMacMove) is set to 'nonBlocking'.		
Raising condition: ('State Cause'anyBit'Relearn Limit Exceeded')		
Clearing condition: NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		
Remedial action: Informational - User can adjust the value of 'MAC Move Maximum Rate' to reduce the frequency of this alarm.		

Table 15-157 macMoveRateExceededNonBlock (svt)

Alarm	Attributes	Applicable major NE releases
Name: macMoveRateExceededNonBlock (4893) Type: SpokeSdpBindingAlarm (104) Package: svt Raised on class: svt.SpokeSdpBinding	Severity: info Implicitly cleared: true Default probable cause: MacMoveRateExceededNonBlock (1951)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the SDP exceeds the Service Site's MAC Move Frequency even when limitMacMove(sdpBindTIsLimitMacMove) is set to 'nonBlocking'.		
Raising condition: ('operationalFlags'anyBit'Relearn Limit Exceeded')		
Clearing condition: NOT (('operationalFlags'anyBit'Relearn Limit Exceeded'))		
Remedial action: Informational - User can adjust the value of 'MAC Move Maximum Rate' to reduce the frequency of this alarm.		

Table 15-158 MCLagDown (lag)

Alarm	Attributes	Applicable major NE releases
Name: MCLagDown (394) Type: equipmentAlarm (3) Package: lag Raised on class: lag.MultiChassisLagSpecifics	Severity: critical Implicitly cleared: true Default probable cause: mclagDown (295)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when all ports in an MC LAG are operationally down.		
Raising condition: (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
Clearing condition: (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
Remedial action: This alarm indicates that all physical Ethernet links associated with a LAG are operationally down. The reasons for the links to be down may vary from link to link. The following possible causes of this alarm should be investigated. The physical port (near end or far end may have failed - this can be remedied by replacing the interface card in question. The physical links may have been turned down administratively - re-enable the links. A cable failure or disconnect may have occurred - please ensure that the cables are properly connected to the physical port and and that the cable has not been damaged.		

Table 15-159 MCLagDown (multichassis)

Alarm	Attributes	Applicable major NE releases
Name: MCLagDown (394) Type: equipmentAlarm (3) Package: multichassis Raised on class: multichassis.MultiChassisLagPeerSpecifics	Severity: critical Implicitly cleared: true Default probable cause: mclagDown (295)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when all ports in an MC LAG are operationally Down.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: This alarm indicates that all physical Ethernet links associated with a LAG are operationally down. The reasons for the links to be down may vary from link to link. The following possible causes of this alarm should be investigated. The physical port (near end or far end may have failed - this can be remedied by replacing the interface card in question. The physical links may have been turned down administratively - re-enable the links. A cable failure or disconnect may have occurred - please ensure that the cables are properly connected to the physical port and and that the cable has not been damaged.		

Table 15-160 MCPeerEPDown

Alarm	Attributes	Applicable major NE releases
Name: MCPeerEPDown (1069) Type: equipmentAlarm (3) Package: multichassis Raised on class: multichassis.MultiChassisEndpoint	Severity: critical Implicitly cleared: true Default probable cause: MCPeerEPDown (811)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an MC endpoint is operationally down.		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Raising condition: (('Operational State' NOT EQUAL 'Up') AND ('Administrative State' EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: Bring up the all End Point Members.		

(2 of 2)

Table 15-161 MepAISReceivedAlarm

Alarm	Attributes	Applicable major NE releases
Name: MepAISReceivedAlarm (2945) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: variable Implicitly cleared: true Default probable cause: missingRemoteMep (388)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a MEP Receives AIS test frames from one or more of its sub-layer MEPs.		
Raising condition: (('AIS Received (AisRx)' EQUAL 'true') AND ('Facility VLAN ID' EQUAL '0'))		
Clearing condition: ('AIS Received (AisRx)' EQUAL 'false')		
Remedial action: This alarm indicates that it has received a MEP fault from a sub-layer MEP, user should investigate the fault cause on the sub-layer MEP and resolve this root cause issue.		

Table 15-162 MissingLocalEntry

Alarm	Attributes	Applicable major NE releases
Name: MissingLocalEntry (291) Type: configurationAlarm (11) Package: I2fwd Raised on class: I2fwd.ServiceMacProtection	Severity: minor Implicitly cleared: true Default probable cause: Protected_Mac_Address_Not_Global (222)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a protected MAC address is not configured on all sites of a VPLS. This can occur if the protected MAC address is added or removed using a CLI.		
Raising condition: ('isEntryGlobal' EQUAL 'false')		
Clearing condition: ('isEntryGlobal' EQUAL 'true')		
Remedial action: Configure the 'Protected MAC Address' on all the VPLS sites.		

Table 15-163 MldDown

Alarm	Attributes	Applicable major NE releases
Name: MldDown (587) Type: ProtocolAlarm (1) Package: mld Raised on class: mld.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an MLD site has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: Check the base router and system are configured correctly.		

Table 15-164 MobileConnectorDown

Alarm	Attributes	Applicable major NE releases
Name: MobileConnectorDown (1064) Type: EpcAlarm (59) Package: Iteservice Raised on class: Iteservice.MobileServiceConnector	Severity: minor Implicitly cleared: true Default probable cause: EpcDown (519)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the 5620 SAM no longer manages the EPS path instance of this mobile service site. As a result, the service must be regenerated.		
Raising condition: ('EPS Path' EQUAL "\")		
Clearing condition: ('EPS Path' NOT EQUAL "\")		
Remedial action: The underlying transport network has gone down resulting in the deletion of a mobile service connector (EPS path). Correct the issue with the transport network and regenerate the mobile service connector by clicking on the re-calculate button on the mobile service properties form.		

Table 15-165 MplsDown

Alarm	Attributes	Applicable major NE releases
Name: MplsDown (27) Type: ProtocolAlarm (1) Package: mpls Raised on class: mpls.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an MPLS site has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: Check operational down reason and update accordingly.		

Table 15-166 MplsPathUpdateFailed

Alarm	Attributes	Applicable major NE releases
Name: MplsPathUpdateFailed (1066) Type: pathAlarm (12) Package: mpls Raised on class: mpls.LspPath	Severity: major Implicitly cleared: true Default probable cause: mbbRetryExceeded (804) Applicable probable causes: <ul style="list-style-type: none"> • mbbRetryExceeded • lspPathGoingDown • startingHighPriMbb • restartingMbb • highPriMbbInProg 	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an MPLS path update fails because of an MBB problem. The alarm clears when the MBB status changes to Successful.		
Raising condition: (('mbbStatus' NOT EQUAL 'None') AND ('mbbStatus' NOT EQUAL 'Successful'))		
Clearing condition: (('Last Performed State' EQUAL 'Success') OR ('Administrative' EQUAL 'Down') OR (('Operational' EQUAL 'Up') AND ('Last Performed State' EQUAL 'None')))		
Remedial action: Based on the probable cause, change the parameters and update the path again.		

Table 15-167 MrpAttrTblSizeLimitReached

Alarm	Attributes	Applicable major NE releases
Name: MrpAttrTblSizeLimitReached (574) Type: resourceAlarm (28) Package: l2fwd Raised on class: l2fwd.SiteMrp	Severity: major Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the number of MRP attribute table entries for a service site exceeds the high watermark specified by l2fwd.SiteMrp.mrpAttrTblHighWatermark. The alarm clears when the number of MRP attribute table entries for the site drops below the low watermark specified by l2fwd.SiteMrp.mrpAttrTblLowWatermark.		
Raising condition: (('MRP Attribute Count' >= 'MRP Max Attributes') OR ('MRP Attribute Count' >= (('MRP Attribute-Table-High-Watermark' * 'MRP Max Attributes') / 100.0)))		
Clearing condition: (('MRP Attribute Count' < 'MRP Max Attributes') AND (('MRP Attribute-Table-High-Watermark' EQUAL '0') OR ('MRP Attribute Count' < (('MRP Attribute-Table-Low-Watermark' * 'MRP Max Attributes') / 100.0))) AND (('MRP Attribute-Table-Low-Watermark' EQUAL '0') OR ('MRP Attribute Count' < (('MRP Attribute-Table-Low-Watermark' * 'MRP Max Attributes') / 100.0)))		
Remedial action: Informational		

Table 15-168 MsdpDown

Alarm	Attributes	Applicable major NE releases
Name: MsdpDown (353) Type: ProtocolAlarm (1) Package: msdp Raised on class: msdp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an MSDP site is administratively down. The alarm clears when the site is administratively up.		
Raising condition: (('Administrative State' EQUAL 'Down'))		
Clearing condition: (('Administrative State' NOT EQUAL 'Down'))		
Remedial action: Turn up the MSDP site.		

Table 15-169 MsPwFecRetryExpired

Alarm	Attributes	Applicable major NE releases
Name: MsPwFecRetryExpired (3694) Type: serviceAlarm (16) Package: svt Raised on class: svt.SpokeSdpFec	Severity: minor Implicitly cleared: true Default probable cause: msPwFecRetryExpired (1433)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a trap is received because of retry expired. The alarm is cleared when the retry starts again.		
Raising condition: ('Retry Expired' EQUAL 'true')		
Clearing condition: ('Retry Expired' EQUAL 'false')		
Remedial action: May need to shutdown the multi-segment pseudo-wire provider edge to restart the retries.		

Table 15-170 MultiChassisRingDown

Alarm	Attributes	Applicable major NE releases
Name: MultiChassisRingDown (520) Type: redundancyAlarm (52) Package: multichassis Raised on class: multichassis.MultiChassisRing	Severity: major Implicitly cleared: true Default probable cause: ringDown (395)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a MC ring group Operational State is not in the Connected state. The alarm is cleared when the ring group enters the Connected state.		
Raising condition: ('Operational State' NOT EQUAL 'Connected')		
Clearing condition: ('Operational State' EQUAL 'Connected')		
Remedial action: Check if MC ring is admin down, MC Sync is operational up, In-Band Control Connection is up, ring node is up ...		

Table 15-171 MvrConfiguredFromVplsNotExist

Alarm	Attributes	Applicable major NE releases
Name: MvrConfiguredFromVplsNotExist (219) Type: configurationAlarm (11) Package: vpls Raised on classes: <ul style="list-style-type: none"> vpls.L2AccessInterfaceMldMvrCfg vpls.L2AccessInterfaceMvrCfg 	Severity: warning Implicitly cleared: true Default probable cause: MvrConfiguredFromVplsNotExist (164)	<ul style="list-style-type: none"> 10.0 11.0 12.0 9.0
Description: The alarm is raised when an MVR source is an MVR VPLS that does not exist. The alarm clears when the MVR VPLS is created.		
Raising condition: ('fromVplsExists' EQUAL 'false')		
Clearing condition: (('fromVplsExists' EQUAL 'true') OR ('fromVplsId' EQUAL '0L'))		
Remedial action: Create the missing MVR VPLS.		

Table 15-172 MvrConfiguredProxySapNotExist

Alarm	Attributes	Applicable major NE releases
Name: MvrConfiguredProxySapNotExist (220) Type: configurationAlarm (11) Package: vpls Raised on classes: <ul style="list-style-type: none"> vpls.L2AccessInterfaceMldMvrCfg vpls.L2AccessInterfaceMvrCfg 	Severity: warning Implicitly cleared: true Default probable cause: MvrConfiguredProxySapNotExist (165)	<ul style="list-style-type: none"> 10.0 11.0 12.0 9.0
Description: The alarm is raised when a configured MVR proxy SAP does not exist. The alarm clears when the proxy SAP is created.		
Raising condition: ('proxySapExists' EQUAL 'false')		
Clearing condition: ('proxySapExists' EQUAL 'true')		
Remedial action: Create the missing proxy SAP.		

Table 15-173 MvrSiteDown

Alarm	Attributes	Applicable major NE releases
Name: MvrSiteDown (162) Type: ProtocolAlarm (1) Package: layer2 Raised on class: layer2.MvrSite	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> 10.0 11.0 12.0 9.0
Description: The alarm is raised when MVR is disabled on an NE and a TLS VLAN or MVR VLAN service is provisioned on the NE.		
Raising condition: ('MVR Admin Status' EQUAL 'Disabled')		
Clearing condition: ('MVR Admin Status' EQUAL 'Enabled')		

(1 of 2)

15 – Alcatel-Lucent 7710 SR alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: To clear the alarm, enable MVR Admin Status under the Bridge Instance.		

(2 of 2)

Table 15-174 NeighborDown

Alarm	Attributes	Applicable major NE releases
Name: NeighborDown (121) Type: NeighborDown (20) Package: ospf Raised on class: ospf.AbstractNeighbor	Severity: major Implicitly cleared: true Default probable cause: NeighborDown (103)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an OSPF interface neighbor is operationally Down.		
Raising condition: ('Operational State' NOT EQUAL 'full')		
Clearing condition: ('Operational State' EQUAL 'full')		
Remedial action: This alarm is raised when the OSPF interface neighbor is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 15-175 NeManagementAndTrapManagementMismatch

Alarm	Attributes	Applicable major NE releases
Name: NeManagementAndTrapManagementMismatch (1079) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: neManagementChange (817)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: This user-defined alarm is raised when the NE configuration is one of the following: - The Active Management IP is set to Out Of Band, and the Primary Route Preference is set to In Band. - The Active Management IP is set to In Band, and the Primary Route Preference is set to Out of Band.		
Raising condition: (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only'))) AND ('Primary Route Preference' EQUAL 'Out Of Band')) AND ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only'))) AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'Out Of Band'))		
Clearing condition: (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only'))) AND ('Primary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only'))) AND ('Primary Route Preference' EQUAL 'Out Of Band'))		
Remedial action: A configuration error has been made which must be corrected. The parameters described in the description for this alarm must match.		

Table 15-176 NewSsh2ServerKeyDetected

Alarm	Attributes	Applicable major NE releases
Name: NewSsh2ServerKeyDetected (285) Type: communicationsAlarm (4) Package: security Raised on class: security.KnownHostKey	Severity: warning Implicitly cleared: true Default probable cause: ssh2ServerKeyMismatch (217)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a 5620 SAM main server detects a new public SSH key.		
Raising condition: ('SSH2 Server Key Status' EQUAL 'Mismatch SSH2 Host Key')		
Clearing condition: ('SSH2 Server Key Status' EQUAL 'Active SSH2 Host Key')		
Remedial action: Informational - possible security breach. The SSH key of the router is different from the one known to the SAM server.		

Table 15-177 NodeDatabaseFallbackDetected

Alarm	Attributes	Applicable major NE releases
Name: NodeDatabaseFallbackDetected (2923) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseFallback (1121)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a configuration fallback is detected on the node and comes back up with a previous configuration. To correct this situation it might be necessary to reconfigure the node, or perform full resync its database with the 'fallback' configuration returned by the node.		
Raising condition: ('State' EQUAL 'Node Configuration Fallback')		
Clearing condition: ('State' EQUAL 'Managed')		
Remedial action: the NE has come back to a previous configuration. Perform a manual Full Resync or a Reconfigure of the NE		

Table 15-178 NodeDatabaseMisalignmentDetected

Alarm	Attributes	Applicable major NE releases
Name: NodeDatabaseMisalignmentDetected (2924) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseMisalignment (1122)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a configuration misalignment has been detected on the node and comes back up with an unexpected configuration (configuration change triggered by external tool) To correct this situation it might be necessary to reconfigure the node with the 5620 SAM's old configuration or accept the new configuration received from the node.		
Raising condition: ('State' EQUAL 'Node Configuration Misalignment')		
Clearing condition: ('State' EQUAL 'Managed')		
Remedial action: the NE configuration is misaligned. Perform a resync in order to update SAM configuration according to the NE.		

Table 15-179 NodeRebooted

Alarm	Attributes	Applicable major NE releases
Name: NodeRebooted (32) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: false Default probable cause: nodeReboot (25)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the 5620 SAM detects an NE reboot based on the latest NE sysUpTime value.		
Remedial action: Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 15-180 NodeSuspended

Alarm	Attributes	Applicable major NE releases
Name: NodeSuspended (5123) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: NodeSuspend (2057)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the 5620 SAM detects an NE moved to suspend state as per user request.		
Raising condition: ('SNMP Reachability' EQUAL 'Suspended')		
Clearing condition: ('SNMP Reachability' NOT EQUAL 'Suspended')		
Remedial action: This alarm is raised when user suspends the network element. The alarm will be cleared when the network element is managed back.		

Table 15-181 NoPeerMcRingFound

Alarm	Attributes	Applicable major NE releases
Name: NoPeerMcRingFound (782) Type: configurationAlarm (11) Package: multichassis Raised on class: multichassis.MultiChassisRing	Severity: major Implicitly cleared: true Default probable cause: IncompleteConfig (557)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the 5620 SAM cannot find the peer MC ring.		
Raising condition: ('Peer Multi-Chassis Ring' EQUAL '\')		
Clearing condition: ('Peer Multi-Chassis Ring' NOT EQUAL '\')		
Remedial action: Configure the missing peered MC ring, or delete this one if it is not used.		

Table 15-182 NTPOperDown

Alarm	Attributes	Applicable major NE releases
Name: NTPOperDown (4879) Type: communicationsAlarm (4) Package: ntp Raised on class: ntp.NTP	Severity: info Implicitly cleared: true Default probable cause: NTPOperDown (1943)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is generated when the NTP Operational State is down for NTP.		
Raising condition: (('Operational State' EQUAL 'Down') AND ('NTP State' EQUAL 'Enabled'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('NTP State' EQUAL 'Disabled'))		
Remedial action: Please check if NTP is administratively enabled (Admin State in NTP General Tab). If admin state down, enable it to make NTP operationally up.		

Table 15-183 OrphanNodeDetected

Alarm	Attributes	Applicable major NE releases
Name: OrphanNodeDetected (4866) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.AdvertisedNode	Severity: major Implicitly cleared: true Default probable cause: nodeNotMangedByAnyEms (1934)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when node is node managed by any EMS after n retries(threshold crossed) it is manually cleared by the operator or when the node is discovered.		
Raising condition: ('state' EQUAL 'orphan')		
Remedial action: The NE is not managed by any SAM.Add an discory rule in order to managed it.		

Table 15-184 OspflnterfaceDown

Alarm	Attributes	Applicable major NE releases
Name: OspflnterfaceDown (141) Type: OspflnterfaceDown (24) Package: ospf Raised on class: ospf.Interface	Severity: warning Implicitly cleared: true Default probable cause: OspflnterfaceDown (112)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an OSPF interface is operationally down.		
Raising condition: ('operationalState' EQUAL 'Down')		
Clearing condition: ('operationalState' NOT EQUAL 'Down')		
Remedial action: This alarm is raised when the OSPF interface is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 15-185 OverTemperatureDetected

Alarm	Attributes	Applicable major NE releases
Name: OverTemperatureDetected (388) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the chassis temperature exceeds the maximum threshold value.		
Raising condition: ('Over Temperature State' EQUAL 'Over')		
Clearing condition: ('Over Temperature State' NOT EQUAL 'Over')		
Remedial action: The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 15-186 P2MPLSPDown

Alarm	Attributes	Applicable major NE releases
Name: P2MPLSPDown (4378) Type: pathAlarm (12) Package: mpls Raised on class: mpls.P2MPDynamicLsp	Severity: critical Implicitly cleared: true Default probable cause: P2MPLSPDown (1563)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the P2MP LSP Administrative State is Up and the Operational State is Down. The alarm clears when the P2MP LSP Operational State changes to Up or the Administrative State changes to Down.		
Raising condition: (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up'))		
Clearing condition: (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up'))		
Remedial action: The operational state of the P2MP LSP is down, despite the administrative state being up. Review the P2MP Primary Instance or S2LPath to make sure it was configured correctly and Administrative state is up. The physical port near end or far end may have failed - this can be remedied by replacing the interface card in question. The physical links may have been turned down administratively - re-enable the links. A cable failure or disconnect may have occurred - please ensure that the cables are properly connected to the physical port and and that the cable has not been damaged.		

Table 15-187 PartialResyncProblem

Alarm	Attributes	Applicable major NE releases
Name: PartialResyncProblem (4401) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: partialResyncProblem (1578)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an Partial Resync on an NE fails. For example, when resyncing only some MIB entries as opposed to a full resync. The periodic reachability test (sysUpTime) is not considered a partial resync, neither is a full resync. However, a PartialResyncProblem alarm can only be reset by a FullResync.		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Raising condition: ('partialResyncStatus' EQUAL 'Partial Resync Failed')		
Clearing condition: ('partialResyncStatus' EQUAL 'Partial Resync Done')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE.		

(2 of 2)

Table 15-188 PeerConnectionDown (bgp)

Alarm	Attributes	Applicable major NE releases
Name: PeerConnectionDown (2) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.Peer	Severity: critical Implicitly cleared: true Default probable cause: connectionDown (2)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a BGP peer has a Connection State other than Established, and the Administrative State of the BGP peer is Up.		
Raising condition: (('Connection State' NOT EQUAL 'Established') AND ('Administrative State' EQUAL 'Up'))		
Clearing condition: (('Connection State' EQUAL 'Established') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: A mismatch in configuration may have occurred. Check the configuration of both peers to rule out a mismatched configuration.		

Table 15-189 PeerConnectionDown (msdp)

Alarm	Attributes	Applicable major NE releases
Name: PeerConnectionDown (2) Type: ProtocolAlarm (1) Package: msdp Raised on class: msdp.CommonPeer	Severity: critical Implicitly cleared: true Default probable cause: connectionDown (2)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the connectionState of this peer changes from Established to a state other than Established. The alarm clears when the connectionState of this peer returns to the Established state.		
Raising condition: (('connectionState' NOT EQUAL 'Established') AND ('administrativeState' EQUAL 'Up'))		
Clearing condition: (('connectionState' EQUAL 'Established') OR ('administrativeState' NOT EQUAL 'Up'))		
Remedial action: Check the configurations of the peer routers.		

Table 15-190 PeerDown (bgp)

Alarm	Attributes	Applicable major NE releases
Name: PeerDown (1) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.Peer	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a BGP peer has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: The BGP peer entity is down - administratively disable the BGP peer and re-enable it. If toggling the administrative state does not solve the problem check that the physical interface and network connection to the far end peer are up and operational. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 15-191 PeerDown (msdp)

Alarm	Attributes	Applicable major NE releases
Name: PeerDown (1) Type: ProtocolAlarm (1) Package: msdp Raised on class: msdp.CommonPeer	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the Administrative State of a peer changes from Up to Down. The alarm clears when the Administrative State returns to Up.		
Raising condition: (('administrativeState' EQUAL 'Down'))		
Clearing condition: (('administrativeState' NOT EQUAL 'Down'))		
Remedial action: Turn up the Peer.		

Table 15-192 PeerGroupDown (bgp)

Alarm	Attributes	Applicable major NE releases
Name: PeerGroupDown (5) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.PeerGroup	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a BGP peer group has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: The BGP peer group is down - administratively disable the BGP peer group and re-enable it. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 15-193 PeerGroupDown (msdp)

Alarm	Attributes	Applicable major NE releases
Name: PeerGroupDown (5) Type: ProtocolAlarm (1) Package: msdp Raised on class: msdp.PeerGroup	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the Administrative State of a peer group changes from Up to Down. The alarm clears when the Administrative State returns to Up.		
Raising condition: (('Administrative State' EQUAL 'Down'))		
Clearing condition: (('Administrative State' NOT EQUAL 'Down'))		
Remedial action: Turn up the Group.		

Table 15-194 PeerLacIngressEgressFault

Alarm	Attributes	Applicable major NE releases
Name: PeerLacIngressEgressFault (2929) Type: PeerLacAlarm (98) Package: svt Raised on class: svt.SpokeSdpBinding	Severity: minor Implicitly cleared: true Default probable cause: peerPWStatusBitsChanged (1123)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the Peer Status is Peer LAC Rx Fault and Peer LAC Tx Fault		
Raising condition: (('Peer State Cause'anyBit'Peer LAC Tx Fault') AND ('Peer State Cause'anyBit'Peer LAC Rx Fault'))		
Clearing condition: NOT (((('Peer State Cause'anyBit'Peer LAC Tx Fault') AND ('Peer State Cause'anyBit'Peer LAC Rx Fault'))))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 15-195 PersistentIndexParametersMisconfigured

Alarm	Attributes	Applicable major NE releases
Name: PersistentIndexParametersMisconfigured (173) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: persistentIndexConfigurationMismatch (136)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when persistence is set to Off in the NE BOF.		
Raising condition: (('Persistent SNMP Indices' EQUAL 'False') OR (('hasRedundantProcessorCards' EQUAL 'true') AND ('Redundant Synchronization Mode' EQUAL 'None')))		

(1 of 2)

15 – Alcatel-Lucent 7710 SR alarms

Alarm	Attributes	Applicable major NE releases
Clearing condition: (('Persistent SNMP Indices' EQUAL 'True') AND (('hasRedundantProcessorCards' EQUAL 'false') OR ('Redundant Synchronization Mode' NOT EQUAL 'None')))		
Remedial action: A configuration error has occurred that must be corrected. Use the CLI on the NE to enable persistency in the BOF. The discovery process will complete on the next discovery scan. A re-scan can be triggered immediately for the NE from within the discovery manager		

(2 of 2)

Table 15-196 PimDown

Alarm	Attributes	Applicable major NE releases
Name: PimDown (184) Type: ProtocolAlarm (1) Package: pim Raised on class: pim.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a PIM site is administratively Up but operationally Down. The alarm is cleared when the PIM site becomes operationally Up but administratively Down.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: This should never happen. Contact Alcatel-Lucent Customer Support for assistance.		

Table 15-197 PollerProblem

Alarm	Attributes	Applicable major NE releases
Name: PollerProblem (31) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: resyncFailed (24)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
Raising condition: ('Resync Status' EQUAL 'Full Resync Failed')		
Clearing condition: ('Resync Status' EQUAL 'Full Resync Done')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 15-198 PoolDepleted

Alarm	Attributes	Applicable major NE releases
Name: PoolDepleted (3950) Type: configurationAlarm (11) Package: dhcp Raised on class: dhcp.AddressPool	Severity: major Implicitly cleared: false Default probable cause: actualFreeAddrDepleted (1529)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: This alarm is generated when the actual number of free addresses in the DHCP Server Address pool becomes zero.		
Remedial action: This alarm is generated when the actual number of free addresses in a pool becomes zero. Please increase the pool address range or create another address pool.		

Table 15-199 PowerSupplyFailure

Alarm	Attributes	Applicable major NE releases
Name: PowerSupplyFailure (633) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: critical Implicitly cleared: true Default probable cause: powerSupplyFailure (117)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a power-supply tray reports a failure. When the alarm is raised during device discovery, a power-supply tray may be out of service. When the alarm is raised while the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
Raising condition: (('Power Supply 1 Status' EQUAL 'Not Equipped') OR ('Power Supply 1 Status' EQUAL 'Failed'))		
Clearing condition: (('Power Supply 1 Status' EQUAL 'OK'))		
Remedial action: Ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 15-200 PowerSupplyInputFeedDown

Alarm	Attributes	Applicable major NE releases
Name: PowerSupplyInputFeedDown (5422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: minor Implicitly cleared: true Default probable cause: powerSupplyInputFeedDown (2073)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: This alarm is generated if any one of the input feeds for a given power supply is not supplying power.		
Raising condition: (('Input Feed Status' EQUAL 'Input A Down') OR ('Input Feed Status' EQUAL 'Input B Down') OR (('Input Feed Status'allBits'Input A Down') AND ('Input Feed Status'allBits'Input B Down'))		
Clearing condition: ('Input Feed Status' EQUAL 'None')		
Remedial action: Restore all of the input feeds that are not supplying power.		

Table 15-201 PowerSupplyRemoved

Alarm	Attributes	Applicable major NE releases
Name: PowerSupplyRemoved (542) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: major Implicitly cleared: true Default probable cause: PowerSupplyRemoved (415)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a chassis power supply is removed.		
Raising condition: ('Power Supply 1 Status' EQUAL 'Not Equipped')		
Clearing condition: ('Power Supply 1 Status' NOT EQUAL 'Not Equipped')		
Remedial action: To recover from this event, the customer is requested to add a new power supply to the system, or change a faulty power supply with a working one.		

Table 15-202 PppLoopbackDetected

Alarm	Attributes	Applicable major NE releases
Name: PppLoopbackDetected (362) Type: configurationAlarm (11) Package: ppp Raised on class: ppp.Interface	Severity: major Implicitly cleared: true Default probable cause: PppLoopbackDetected (259)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the value of tmnxPppLocalMagicNumber is the same as the value of tmnxPppRemoteMagicNumber, which indicates that the link may be looped back.		
Raising condition: (('Local Magic Number' EQUAL 'Remote Magic Number') AND ('Local Magic Number' NOT EQUAL '0L'))		
Clearing condition: (('Local Magic Number' NOT EQUAL 'Remote Magic Number') OR ('Local Magic Number' EQUAL '0L'))		
Remedial action: Informational.		

Table 15-203 PrimaryImageBootFailure

Alarm	Attributes	Applicable major NE releases
Name: PrimaryImageBootFailure (191) Type: configurationAlarm (11) Package: sw Raised on class: sw.CardSoftware	Severity: warning Implicitly cleared: true Default probable cause: bootOptionFileMisconfigured (150)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the primary software image specified in an NE BOF is unusable.		
Raising condition: (('imageSource' NOT EQUAL 'Primary') AND ('imageSource' NOT EQUAL 'Unknown'))		
Clearing condition: (('imageSource' EQUAL 'Primary') OR ('imageSource' EQUAL 'Unknown'))		
Remedial action: The SW image on the NE may have been inadvertently corrupted. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

Table 15-204 PrimaryPathLimitReached

Alarm	Attributes	Applicable major NE releases
Name: PrimaryPathLimitReached (457) Type: resourceAlarm (28) Package: equipment Raised on class: equipment.DaughterCard	Severity: warning Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the Ingress Multicast Path Management primary path bandwidth limit is reached.		
Raising condition: (('Primary Path Limit Override' > '0') AND ('Primary Path In use' >= (1000 * 'Primary Path Limit Override'))"		
Clearing condition: (('Primary Path Limit Override' > '0') AND ('Primary Path In use' < (1000 * 'Primary Path Limit Override'))"		
Remedial action: Informational - The alarm is raised when the Ingress Multicast Path Management primary path bandwidth limit is reached. This can be remedied by modifying the primary path limit located at T1 Paths tab of the multicast bandwidth policy which assigned to the card, or increase the primary path limit override located at the Daughter Card tab under Daughter Card Slot form.		

Table 15-205 PTPNotQualified

Alarm	Attributes	Applicable major NE releases
Name: PTPNotQualified (3611) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPNotQualified (1400)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when PTP on an NE is not in the Qualified state.		
Raising condition: (('Qualified For Use' EQUAL 'Not Qualified'))		
Clearing condition: (('Qualified For Use' NOT EQUAL 'Not Qualified'))		
Remedial action: Check the communication path is up between the local PTP slave clock and its selected master		

Table 15-206 PTPReferenceLossOfSignal

Alarm	Attributes	Applicable major NE releases
Name: PTPReferenceLossOfSignal (3613) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPReferenceLossOfSignal (1402)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the PTP reference on an NE is not qualified due to Loss of Signal.		
Raising condition: (('Not Qualified Due To anyBit'LOS'))		
Clearing condition: NOT (('Not Qualified Due To anyBit'LOS'))		
Remedial action: Check the communication path is up between the local PTP slave clock and its selected master		

Table 15-207 PTPReferenceOutOfFrequency

Alarm	Attributes	Applicable major NE releases
Name: PTPReferenceOutOfFrequency (3614) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPReferenceOutOfFrequency (1403)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the PTP Reference on an NE is not qualified due to Out of frequency.		
Raising condition: (('Not Qualified Due To'anyBit'OOFF'))		
Clearing condition: NOT (('Not Qualified Due To'anyBit'OOFF'))		
Remedial action: Make sure that fequency configured for Reference One is correct.		

Table 15-208 PTPReferenceOutOfPollInRange

Alarm	Attributes	Applicable major NE releases
Name: PTPReferenceOutOfPollInRange (3615) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPReferenceOutOfPollInRange (1404)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the PTP Reference on an NE is not qualified state due to Out of poll in range.		
Raising condition: (('Not Qualified Due To'anyBit'OOPIR'))		
Clearing condition: NOT (('Not Qualified Due To'anyBit'OOPIR'))		
Remedial action: If there is packet flow, the PTP slave clock is in it's initial acquiring states where the sync-if-timing reference does not qualify just wait.		

Table 15-209 RadiusOperStatusDown

Alarm	Attributes	Applicable major NE releases
Name: RadiusOperStatusDown (3692) Type: radiusOperStatusDownAlarm (105) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: radiusOperationStatusDown (1431)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when all RADIUS servers have gone down.		
Raising condition: ('Global RADIUS Operational State' EQUAL 'Down')		
Clearing condition: ('Global RADIUS Operational State' EQUAL 'Up')		
Remedial action: Verify the RADIUS server is properly configured and radius server state is up.Check the connectivity between SAM server and radius server configured on the Network element.		

Table 15-210 ReachabilityProblem

Alarm	Attributes	Applicable major NE releases
Name: ReachabilityProblem (243) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ReachabilityTestFailed (176)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an Mediation poll of the SysUpTimeAlarm object on an NE fails, for example, because of network congestion or because the NE is too busy to respond. The probable cause is an unreachable NE Mediation agent on the NE. By default, the 5620 SAM polls a managed NE every two minutes. If a poll fails, the alarm is raised. The 5620 SAM polls the NE two minutes after the first failure. If successive polls fail, the 5620 SAM raises the polling interval for the NE by two minutes after each failure to a maximum of 12 min. The polling interval remains at 12 min until the 5620 SAM receives a response from the NE. The alarm clears when the 5620 SAM receives a response from the NE, and the 5620 SAM GUI icon that represents the NE turns from red to green.		
Raising condition: ('SNMP Reachability' EQUAL 'Down')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 15-211 ReconfigFailure

Alarm	Attributes	Applicable major NE releases
Name: ReconfigFailure (1949) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: failedReconfig (937)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: This alarm is raised when the reconfig action failed.		
Raising condition: ('State' EQUAL 'Failed')		
Clearing condition: ('State' NOT EQUAL 'Failed')		
Remedial action: Verify that the object is configured as expected.		

Table 15-212 RedundantMepMisconfiguration

Alarm	Attributes	Applicable major NE releases
Name: RedundantMepMisconfiguration (3631) Type: oamAlarm (18) Package: ethernetOam Raised on class: ethernetOam.Mep	Severity: minor Implicitly cleared: true Default probable cause: misconfiguredRedundantMep (1416)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an Active and Redundant MEP do not have the same Id, Operational MAC Address or Sub Group configured.		
Raising condition: ('validRedundantMepConfig' EQUAL 'false')		

(1 of 2)

15 – Alcatel-Lucent 7710 SR alarms

Alarm	Attributes	Applicable major NE releases
Clearing condition: ('validRedundantMepConfig' EQUAL 'true')		
Remedial action: MC-LAG redundant MEP configuration (MEP ID or Mac Address) for Active & Standby Interfaces do not match, this could cause issues with CFM or CCM tests if Active interface changes. Delete and Re-create Standby MEP to match Active.		

(2 of 2)

Table 15-213 RedundantMepMissing

Alarm	Attributes	Applicable major NE releases
Name: RedundantMepMissing (3632) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: minor Implicitly cleared: true Default probable cause: missingRedundantMep (1417)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a MEP misses a redundant counterpart on LAG or SAP.		
Raising condition: (('MC-LAG Inactive' NOT EQUAL 'Not Applicable') AND ('Redundant MEP' EQUAL '\'))		
Clearing condition: (('MC-LAG Inactive' EQUAL 'Not Applicable') OR (('MC-LAG Inactive' NOT EQUAL 'Not Applicable') AND ('Redundant MEP' NOT EQUAL '\')))		
Remedial action: MC-LAG redundant MEP is missing Active & Standby Interfaces, this will cause issues with CFM or CCM tests if Active interface changes. Create missing Active/Standby MEP to match existing.		

Table 15-214 RemoteMepCCMAAlarm

Alarm	Attributes	Applicable major NE releases
Name: RemoteMepCCMAAlarm (502) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: major Implicitly cleared: true Default probable cause: missingRemoteMep (388)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a MEP loses connectivity with one or more remote MEPs. The Remote MEP DB State tab on a MEP lists the missing remote MEPs.		
Raising condition: ('High-Priority Defect' NOT EQUAL '0')		
Clearing condition: ('High-Priority Defect' EQUAL '0')		
Remedial action: MEP has lost communication with Remote MEP defined in Maintenance Association (MEG) Remote MEP list, Either Remote MEP list is incorrect or diagnose connection fault and resolve.		

Table 15-215 RemoteRncvOperDown

Alarm	Attributes	Applicable major NE releases
Name: RemoteRncvOperDown (522) Type: redundancyAlarm (52) Package: multichassis Raised on class: multichassis.MultiChassisRingNode	Severity: major Implicitly cleared: true Default probable cause: remoteRncvDisconnected (397)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the remote RNCV Operational State of a ring node is other than Connected or NotTested, which means that the ring node is not connected to the local MC ring group. The alarm clears when the ring node enters the Connected or NotTested state.		
Raising condition: (('Remote Operational State' NOT EQUAL 'Connected') AND ('Remote Operational State' NOT EQUAL 'Not Tested'))		
Clearing condition: (('Remote Operational State' EQUAL 'Connected') OR ('Remote Operational State' EQUAL 'Not Tested'))		
Remedial action: Make sure that ring node is properly connected to MC ring group.		

Table 15-216 RipDown

Alarm	Attributes	Applicable major NE releases
Name: RipDown (72) Type: ProtocolAlarm (1) Package: rip Raised on class: rip.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a RIP site has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: The RIP Site is down while it is administratively up. Please check the node e.g. IOM is not shutdown or installed.		

Table 15-217 RouteDistinguisherNotConfigured

Alarm	Attributes	Applicable major NE releases
Name: RouteDistinguisherNotConfigured (142) Type: configurationAlarm (11) Package: l3fwd Raised on class: l3fwd.ServiceSite	Severity: major Implicitly cleared: true Default probable cause: routeDistinguisherNotConfigured (113)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when no RD is configured for an L3 service site.		
Raising condition: ('routeDistinguisher' EQUAL '\00 00 00 00 00 00 00 00')		
Clearing condition: ('routeDistinguisher' NOT EQUAL '\00 00 00 00 00 00 00 00')		
Remedial action: A configuration error has occurred which must be corrected. The RD must be configured on the L3 Service Site in question.		

Table 15-218 RsvpDown

Alarm	Attributes	Applicable major NE releases
Name: RsvpDown (74) Type: ProtocolAlarm (1) Package: rsvp Raised on class: rsvp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an RSVP site has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: The RSVP Site is down while it is administratively up. Please check MPLS is enabled and administratively up.		

Table 15-219 RxSectionSynchronizationError

Alarm	Attributes	Applicable major NE releases
Name: RxSectionSynchronizationError (93) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: rxSectionSynchronizationError (79)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a SONET port reports a section synchronization failure. A section synchronization failure occurs when the S1 byte is inconsistent for eight consecutive frames.		
Raising condition: (('Outstanding Alarms'anyBit'RX Section Synchronization Error') AND ('Report Alarms'anyBit'RX Section Synchronization Error'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'RX Section Synchronization Error') AND ('Report Alarms'anyBit'RX Section Synchronization Error'))		
Remedial action: Check the link status between SONET Port and the source.		

Table 15-220 S2LPathBypassTunnelActive

Alarm	Attributes	Applicable major NE releases
Name: S2LPathBypassTunnelActive (777) Type: pathAlarm (12) Package: mpls Raised on class: mpls.S2LPath	Severity: warning Implicitly cleared: true Default probable cause: S2LPathReroutedToBypassTunnel (552)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the bypass tunnel in an S2L path becomes active. The alarm clears when the bypass tunnel is no longer active, for example, because a primary tunnel failure is resolved or a new path is established.		
Raising condition: ('Bypass Tunnel Active' EQUAL 'true')		
Clearing condition: ('Bypass Tunnel Active' EQUAL 'false')		
Remedial action: Check what caused primary tunnel is down and fix it if possible.		

Table 15-221 S2LPathDown

Alarm	Attributes	Applicable major NE releases
Name: S2LPathDown (778) Type: pathAlarm (12) Package: mpls Raised on class: mpls.S2LPath	Severity: major Implicitly cleared: true Default probable cause: S2LPathDown (553)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the S2L path Administrative State is Up and the Operational State is not Up. The alarm clears when the S2L path Operational State changes to Up or the Administrative State changes to Down.		
Raising condition: (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up'))		
Clearing condition: (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up'))		
Remedial action: Check the failure code and update accordingly, e.g. whether MPLS/RSVP interfaces, OSPF interfaces are down.		

Table 15-222 SaveConfigFailed

Alarm	Attributes	Applicable major NE releases
Name: SaveConfigFailed (105) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileAccessError (90)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the admin save command on an NE fails.		
Raising condition: ('Config Save State' EQUAL 'Failure')		
Clearing condition: ('Config Save State' EQUAL 'Success')		
Remedial action: Attempt the admin save command a second time. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 15-223 ScheduledPollerProblem

Alarm	Attributes	Applicable major NE releases
Name: ScheduledPollerProblem (4386) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: scheduledResyncFailed (1569)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
Raising condition: ('Scheduled Resync Status' EQUAL 'Scheduled Resync Failed')		
Clearing condition: ('Scheduled Resync Status' EQUAL 'Scheduled Resync Done')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 15-224 SdpBindingDown

Alarm	Attributes	Applicable major NE releases
Name: SdpBindingDown (221) Type: SdpBindingAlarm (30) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: SdpBindingNotReady (166)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an SDP binding has an Operational State other than Up.		
Raising condition: (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'Standby For BGP Multi-Homing'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'Standby For BGP Multi-Homing'))		
Remedial action: To resolve this alarm check the SDP binding to determine if a configuration mismatch exists. If configuration is determined to be correct then the associated network interface may be down. Further investigation is required to determine why the underlying network interface is down.		

Table 15-225 SdpBindingTunnelDown

Alarm	Attributes	Applicable major NE releases
Name: SdpBindingTunnelDown (222) Type: CircuitAlarm (17) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: SdpTunnelNotReady (167)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an SDP binding tunnel has an Operational State other than Up.		
Raising condition: (('Operational State' EQUAL 'Tunnel Not Ready') OR ('Operational State' EQUAL 'Tunnel Down'))		
Clearing condition: (('Operational State' NOT EQUAL 'Tunnel Not Ready') AND ('Operational State' NOT EQUAL 'Tunnel Down'))		
Remedial action: To resolve this alarm check the endpoints of the SDP binding to determine if a configuration mismatch exists. If configuration matches then the underlying network resource between the endpoints of the SDP may be down. Further investigation is required to determine why the underlying transport network is down.		

Table 15-226 SdpEgressIfsNetDomainInConsistent

Alarm	Attributes	Applicable major NE releases
Name: SdpEgressIfsNetDomainInConsistent (3616) Type: resourceAlarm (28) Package: svt Raised on class: svt.Tunnel	Severity: warning Implicitly cleared: true Default probable cause: sdpEgressIfsNetDomainInConsistent (1405)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the SDP egress interface's consistency state changes to inconsistent.		
Raising condition: ('Egress Interfaces Consistency State' EQUAL '3')		
Clearing condition: ('Egress Interfaces Consistency State' EQUAL '2')		
Remedial action: To resolve this alarm check egress interfaces of the SDP configuration. If configuration is determined to be correct check underlying physical transport. Further investigation is required.		

Table 15-227 SecondaryPathLimitReached

Alarm	Attributes	Applicable major NE releases
Name: SecondaryPathLimitReached (458) Type: resourceAlarm (28) Package: equipment Raised on class: equipment.DaughterCard	Severity: warning Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the Ingress Multicast Path Management secondary path bandwidth limit is reached.		
Raising condition: (('Secondary Path Limit Override' > '0') AND ('Secondary Path In use' >= (1000 * 'Secondary Path Limit Override'))"		
Clearing condition: (('Secondary Path Limit Override' > '0') AND ('Secondary Path In use' < (1000 * 'Secondary Path Limit Override'))"		
Remedial action: Informational - The alarm is raised when the Ingress Multicast Path Management secondary path bandwidth limit is reached. This can be remedied by modifying the secondary path limit located at T1 Paths tab of the multicast bandwidth policy which assigned to the card, or increase the secondary path limit override located at the Daughter Card tab under Daughter Card Slot form.		

Table 15-228 SectionB1Error

Alarm	Attributes	Applicable major NE releases
Name: SectionB1Error (87) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: sectionB1Error (73)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a SONET port reports a section error condition that a remote NE raises because of b1 errors received from the local NE. The alarm corresponds to the lrei alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'Section B1 Error') AND ('Report Alarms'anyBit'Section B1 Error'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Section B1 Error') AND ('Report Alarms'anyBit'Section B1 Error'))		
Remedial action: Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 15-229 SectionLossOfFrame

Alarm	Attributes	Applicable major NE releases
Name: SectionLossOfFrame (90) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: sectionLossOfFrame (76)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a SONET port reports a SLOF error. The alarm corresponds to the slof alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'Section Loss of Frame') AND ('Report Alarms'anyBit'Section Loss of Frame'))		

(1 of 2)

15 – Alcatel-Lucent 7710 SR alarms

Alarm	Attributes	Applicable major NE releases
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Section Loss of Frame') AND ('Report Alarms'anyBit'Section Loss of Frame'))))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected.		

(2 of 2)

Table 15-230 SectionLossOfSignal

Alarm	Attributes	Applicable major NE releases
Name: SectionLossOfSignal (91) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: sectionLossOfSignal (77)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a SONET port reports a SLOS error. The alarm corresponds to the slos alarm on an NE.		
Raising condition: ((('Outstanding Alarms'anyBit'Section Loss of Signal') AND ('Report Alarms'anyBit'Section Loss of Signal')))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Section Loss of Signal') AND ('Report Alarms'anyBit'Section Loss of Signal'))))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected.		

Table 15-231 SectionS1Failure

Alarm	Attributes	Applicable major NE releases
Name: SectionS1Failure (86) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: sectionS1Failure (72)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a SONET port reports a section synchronization failure. A section synchronization failure occurs when the S1 byte is inconsistent for eight consecutive frames.		
Raising condition: ((('Outstanding Alarms'anyBit'Section S1 Failure') AND ('Report Alarms'anyBit'Section S1 Failure')))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Section S1 Failure') AND ('Report Alarms'anyBit'Section S1 Failure'))))		
Remedial action: Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 15-232 ServiceSiteDown

Alarm	Attributes	Applicable major NE releases
Name: ServiceSiteDown (97) Type: serviceAlarm (16) Package: service Raised on class: service.Site	Severity: critical Implicitly cleared: true Default probable cause: siteDown (83)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when all SAPs on a site are operationally down, or when the service tunnels for the site are operationally down.		
Raising condition: (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'All Spoke SDP Bindings are Standby'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'All Spoke SDP Bindings are Standby'))		
Remedial action: The network resources (i.e. physical ports for SAPs, or physical ports/LSP) associated with the service site should be examined to determine if/why they are operationally down. The underlying transport network supporting the site may also be unreliable.		

Table 15-233 SessionDown

Alarm	Attributes	Applicable major NE releases
Name: SessionDown (73) Type: ProtocolAlarm (1) Package: rsvp Raised on class: rsvp.Session	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an RSVP session is operationally down.		
Raising condition: ('Operational State' EQUAL 'Down')		
Clearing condition: ('Operational State' EQUAL 'Up')		
Remedial action: Please check the RSVP session path to make sure all associated protocols/interfaces/connections are OK.		

Table 15-234 ShamLinkDown

Alarm	Attributes	Applicable major NE releases
Name: ShamLinkDown (665) Type: ShamLinkAlarm (57) Package: ospf Raised on class: ospf.ShamLink	Severity: critical Implicitly cleared: true Default probable cause: ShamLinkDown (492)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a sham link is operationally down.		
Raising condition: ('Operational State' EQUAL 'Down')		
Clearing condition: ('Operational State' NOT EQUAL 'Down')		

(1 of 2)

15 – Alcatel-Lucent 7710 SR alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: This alarm is raised when the OSPF sham link is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

(2 of 2)

Table 15-235 SingleSFMOverloadDetected

Alarm	Attributes	Applicable major NE releases
Name: SingleSFMOverloadDetected (843) Type: ProtocolAlarm (1) Package: I3fwd Raised on class: I3fwd.Site	Severity: major Implicitly cleared: true Default probable cause: singleSfmOverloadDetected (601)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a device reports a single-SFM overload. The alarm clears when the VR exits the Overload state.		
Raising condition: ('Overload State' EQUAL 'Overload')		
Clearing condition: ('Overload State' EQUAL 'Normal')		
Remedial action: Information - if the the problem persists please contact Alcatel-Lucent support for assistance.		

Table 15-236 SonetPathAlarmIndicationSignal

Alarm	Attributes	Applicable major NE releases
Name: SonetPathAlarmIndicationSignal (129) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathAlarmIndicationSignal (63)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a SONET port reports a PAIS error. The alarm corresponds to the pais alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'Path Alarm Indication Signal') AND ('Report Alarms'anyBit'Path Alarm Indication Signal'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'Path Alarm Indication Signal') AND ('Report Alarms'anyBit'Path Alarm Indication Signal'))		
Remedial action: Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 15-237 SonetPathB3Error

Alarm	Attributes	Applicable major NE releases
Name: SonetPathB3Error (132) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathB3Error (66)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a SONET port reports a path error condition because of b3 errors. The alarm corresponds to the prei alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'Path B3 error') AND ('Report Alarms'anyBit'Path B3 error'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Path B3 error') AND ('Report Alarms'anyBit'Path B3 error'))		
Remedial action: Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 15-238 SonetPathLossOfCodegroupDelineationError

Alarm	Attributes	Applicable major NE releases
Name: SonetPathLossOfCodegroupDelineationError (248) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathLossOfCodegroupDelineationError (185)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a SONET port reports a PLCD error. The alarm corresponds to the plcd alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'Path Loss of Codegroup Delineation Error') AND ('Report Alarms'anyBit'Path Loss of Codegroup Delineation Error'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Path Loss of Codegroup Delineation Error') AND ('Report Alarms'anyBit'Path Loss of Codegroup Delineation Error'))		
Remedial action: Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 15-239 SonetPathLossOfPointer

Alarm	Attributes	Applicable major NE releases
Name: SonetPathLossOfPointer (130) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathLossOfPointer (64)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a SONET port reports a PLOP error. The alarm corresponds to the plop alarm on an NE.		

(1 of 2)

15 – Alcatel-Lucent 7710 SR alarms

Alarm	Attributes	Applicable major NE releases
Raising condition: (('Outstanding Alarms'anyBit'Path Loss of Pointer') AND ('Report Alarms'anyBit'Path Loss of Pointer'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Path Loss of Pointer') AND ('Report Alarms'anyBit'Path Loss of Pointer'))))		
Remedial action: Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

(2 of 2)

Table 15-240 SonetPathPayloadMismatch

Alarm	Attributes	Applicable major NE releases
Name: SonetPathPayloadMismatch (133) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathPayloadMismatch (67)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a SONET port reports a PPLM error on a channel, after which the channel is set operationally down. The alarm corresponds to the pplm alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'Path Payload Mismatch') AND ('Report Alarms'anyBit'Path Payload Mismatch'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Path Payload Mismatch') AND ('Report Alarms'anyBit'Path Payload Mismatch'))))		
Remedial action: Informational only.		

Table 15-241 SonetPathRemoteB3Error

Alarm	Attributes	Applicable major NE releases
Name: SonetPathRemoteB3Error (134) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathRemoteB3Error (68)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a SONET port reports a path error condition that a remote NE raises because of b3 errors received from the local NE. The alarm corresponds to the prei alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'Path Remote B3 Error') AND ('Report Alarms'anyBit'Path Remote B3 Error'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Path Remote B3 Error') AND ('Report Alarms'anyBit'Path Remote B3 Error'))))		
Remedial action: Check the remote NE is configured correctly and its physical layer cabling is operating correctly.		

Table 15-242 SonetPathRemoteDefectIndication

Alarm	Attributes	Applicable major NE releases
Name: SonetPathRemoteDefectIndication (131) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathRemoteDefectIndication (65)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a SONET port reports a remote PAIS error. The alarm corresponds to the pais alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'Path Remote Defect Indication') AND ('Report Alarms'anyBit'Path Remote Defect Indication'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'Path Remote Defect Indication') AND ('Report Alarms'anyBit'Path Remote Defect Indication'))		
Remedial action: Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 15-243 SonetPathUnequippedPathError

Alarm	Attributes	Applicable major NE releases
Name: SonetPathUnequippedPathError (143) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathUnequippedPathError (114)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a SONET port reports a path unequipped error. The alarm corresponds to the Path Alarm Unequipped Path Error alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'Path Alarm Unequipped Path Error') AND ('Report Alarms'anyBit'Path Alarm Unequipped Path Error'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'Path Alarm Unequipped Path Error') AND ('Report Alarms'anyBit'Path Alarm Unequipped Path Error'))		
Remedial action: Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 15-244 StatsRetrieveFailed

Alarm	Attributes	Applicable major NE releases
Name: StatsRetrieveFailed (244) Type: configurationAlarm (11) Package: sw Raised on class: sw.AccountingStatsRetrievalManager	Severity: major Implicitly cleared: false Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the 5620 SAM main or auxiliary server cannot transfer an accounting file from an NE.		

(1 of 2)

15 – Alcatel-Lucent 7710 SR alarms

Alarm	Attributes	Applicable major NE releases
Raising condition: (('Stats Retrieval State' NOT EQUAL 'Success') AND ('Stats Retrieval State' NOT EQUAL 'Not Attempted'))		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy or otherwise cannot respond to the 5620 SAM main or auxiliary server.		

(2 of 2)

Table 15-245 StpExceptionCondition

Alarm	Attributes	Applicable major NE releases
Name: StpExceptionCondition (297) Type: AccessInterfaceAlarm (32) Package: I2fwd Raised on class: I2fwd.AccessInterfaceStp	Severity: major Implicitly cleared: true Default probable cause: StpException (228)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a SAP detects an STP exception condition, for example, one-way communication or a downstream loop. The alarm clears when the STP condition changes.		
Raising condition: (('STP Exception Condition' NOT EQUAL 'None') AND ('Administrative State' EQUAL 'Up'))		
Clearing condition: (('STP Exception Condition' EQUAL 'None') OR ('Administrative State' EQUAL 'Down'))		
Remedial action: Check 'STP Exception Condition' field for more details and fix the STP exception.		

Table 15-246 StpRootGuardViolation

Alarm	Attributes	Applicable major NE releases
Name: StpRootGuardViolation (503) Type: AccessInterfaceAlarm (32) Package: I2fwd Raised on class: I2fwd.AccessInterfaceStp	Severity: warning Implicitly cleared: true Default probable cause: spanningTreeTopologyChanged (331)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a SAP detects an STP root guard violation.		
Raising condition: ('Root Guard Violation' EQUAL 'true')		
Clearing condition: ('Root Guard Violation' NOT EQUAL 'true')		
Remedial action: Set 'Root Guard' to false if not necessary.		

Table 15-247 SubHostLcktLimitReached

Alarm	Attributes	Applicable major NE releases
Name: SubHostLcktLimitReached (4387) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: false Default probable cause: tnmSubHostLcktLimitReached (1570)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0
Description: This alarm is raised when the system wide maximum number of lockout hosts is reached.		
Remedial action: Please do one of the following: 1. Investigate why the hosts are locked out. Possible reasons include authentication failure due to mis-configuration on the host end, mis-configuration on the BNG, missing or invalid configuration on the RADIUS server, session negotiation failure with the client, resource exhaustion on the BNG, unavailability of RADIUS server (and no fallback configured). 2. Clear the host lockout.		

Table 15-248 SubHostLcktSapLimitReached

Alarm	Attributes	Applicable major NE releases
Name: SubHostLcktSapLimitReached (4391) Type: configurationAlarm (11) Package: service Raised on class: service.AccessInterface	Severity: minor Implicitly cleared: false Default probable cause: tnmSubHostLcktSapLimitReached (1572)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0
Description: This alarm is raised when the maximum number of lockout hosts on a given SAP is reached.		
Remedial action: Please do one of the following: 1. Investigate why the hosts are locked out. Possible reasons include authentication failure due to mis-configuration on the host end, mis-configuration on the BNG, missing or invalid configuration on the RADIUS server, session negotiation failure with the client, resource exhaustion on the BNG, unavailability of RADIUS server (and no fallback configured). 2. Clear the host lockout on the SAP. 3. Change the Maximum Lockout Hosts (per SAP).		

Table 15-249 SubnetDepleted

Alarm	Attributes	Applicable major NE releases
Name: SubnetDepleted (3953) Type: configurationAlarm (11) Package: dhcp Raised on class: dhcp.Subnet	Severity: major Implicitly cleared: false Default probable cause: actualFreeAddrDepleted (1529)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: This alarm is generated when the actual number of free addresses in the DHCP Server Subnet becomes zero.		
Remedial action: This alarm is generated when the actual number of free addresses in a subnet becomes zero. Please create another subnet.		

Table 15-250 SubscriberInterfaceDown

Alarm	Attributes	Applicable major NE releases
Name: SubscriberInterfaceDown (440) Type: SubscriberInterfaceAlarm (43) Package: service Raised on class: service.SubscriberInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a subscriber interface is operationally down. The alarm clears when the subscriber interface is operationally up.		
Raising condition: ('operationalState' NOT EQUAL 'Up')		
Clearing condition: ('operationalState' EQUAL 'Up')		
Remedial action: Check the configuration and the underlying physical interface.		

Table 15-251 SubscriberSystemNextHopUsageHigh

Alarm	Attributes	Applicable major NE releases
Name: SubscriberSystemNextHopUsageHigh (5157) Type: thresholdCrossed (6) Package: netw Raised on class: netw.NetworkElement	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit.		
Raising condition: ('IP Next Hop Usage High' EQUAL 'true')		
Clearing condition: ('IP Next Hop Usage High' EQUAL 'false')		
Remedial action: The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit. There is no immediate effect, but when the usage actually hits the limit, new hosts will not get their managed routes.		

Table 15-252 svcMacFdbTabelFull

Alarm	Attributes	Applicable major NE releases
Name: svcMacFdbTabelFull (3890) Type: resourceAlarm (28) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the system limit of FDB records is reached.		
Remedial action: The alarm is raised when system limit of FDB records is reached.		

Table 15-253 TemperatureThresholdCrossed

Alarm	Attributes	Applicable major NE releases
Name: TemperatureThresholdCrossed (7) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Environment	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a temperature crosses a threshold.		
Raising condition: ('temperatureThresholdCrossed' EQUAL 'true')		
Clearing condition: ('temperatureThresholdCrossed' EQUAL 'false')		
Remedial action: The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 15-254 TmnxEqPortEtherLoopDetected

Alarm	Attributes	Applicable major NE releases
Name: TmnxEqPortEtherLoopDetected (461) Type: portEtherLoopDetected (48) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a device detects a physical loop on an Ethernet port.		
Raising condition: (('Down When Looped Status' EQUAL 'Loop Detected'))		
Clearing condition: (('Down When Looped Status' EQUAL 'No Loop Detected'))		
Remedial action: An Ethernet port has been mis-cabled - please remove the loopback cable on the port.		

Table 15-255 TrapDestinationMisconfigured

Alarm	Attributes	Applicable major NE releases
Name: TrapDestinationMisconfigured (33) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: trapDestinationMisconfigured (26) Applicable probable causes: <ul style="list-style-type: none"> • trapDestinationMisconfigured • duplicateTrapLogId 	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the 5620 SAM cannot be added to the NE's SNMP trap destinations.		
Raising condition: ('isTrapDestinationMisconfigured' EQUAL 'true')		
Clearing condition: ('isTrapDestinationMisconfigured' EQUAL 'false')		

(1 of 2)

15 – Alcatel-Lucent 7710 SR alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: A configuration error has been made which must be corrected. The SNMP trap destination on the NE must be configured to the IP address of the SAM server.		

(2 of 2)

Table 15-256 TrapReceivingFailure

Alarm	Attributes	Applicable major NE releases
Name: TrapReceivingFailure (1083) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: false Default probable cause: trapsWillNotBeSent (822)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: This user-defined alarm is raised when the NE is unable to send traps because the NE configuration is one of the following: - The Management IP Selection is set to Out Of Band Only, the Primary Route Preference is set to In Band, and the Secondary Route Preference is set to None. - The Management IP Selection is set to In Band Only, the Primary Route Preference is set to Out Of Band, and the Secondary Route Preference is set to None.		
Raising condition: (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
Clearing condition: (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND ('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND ('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band'))))		
Remedial action: A configuration error has been made which must be corrected. The configuration error must be corrected per the discussion in the description for this alarm.		

Table 15-257 TrapRoutePreferenceRedundancyMissing

Alarm	Attributes	Applicable major NE releases
Name: TrapRoutePreferenceRedundancyMissing (1084) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: trapsRedundancyMissing (823)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The user-defined alarm is raised when NE management redundancy is configured without trap route preference redundancy.		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Raising condition: (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
Clearing condition: (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Secondary Route Preference' NOT EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Secondary Route Preference' NOT EQUAL 'None'))))		
Remedial action: A configuration error has been made which must be corrected. The IP address of the standby SAM server must be configured on the NE in question.		

(2 of 2)

Table 15-258 TunnelAdministrativelyDown (mpls)

Alarm	Attributes	Applicable major NE releases
Name: TunnelAdministrativelyDown (523) Type: pathAlarm (12) Package: mpls Raised on class: mpls.Tunnel	Severity: minor Implicitly cleared: true Default probable cause: tunnelAdministrativelyDown (333)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the 5620 SAM detects that an MPLS path is administratively down.		
Raising condition: ('Administrative' NOT EQUAL 'Up')		
Clearing condition: ('Administrative' EQUAL 'Up')		
Remedial action: Turn up the corresponding MPLS path.		

Table 15-259 TunnelAdministrativelyDown (svt)

Alarm	Attributes	Applicable major NE releases
Name: TunnelAdministrativelyDown (523) Type: pathAlarm (12) Package: svt Raised on class: svt.Tunnel	Severity: minor Implicitly cleared: true Default probable cause: tunnelAdministrativelyDown (333)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the 5620 SAM detects that a service tunnel is administratively down.		
Raising condition: ('administrativeState' NOT EQUAL 'Up')		
Clearing condition: ('administrativeState' EQUAL 'Up')		
Remedial action: Informational - an operator has manually turned down a service tunnel.		

Table 15-260 TunnelDown (mpls)

Alarm	Attributes	Applicable major NE releases
Name: TunnelDown (30) Type: pathAlarm (12) Package: mpls Raised on class: mpls.Tunnel	Severity: warning Implicitly cleared: true Default probable cause: tunnelDown (23)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an MPLS path has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up'))		
Clearing condition: (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up'))		
Remedial action: Check the network resources along the path.		

Table 15-261 TunnelDown (svt)

Alarm	Attributes	Applicable major NE releases
Name: TunnelDown (30) Type: pathAlarm (12) Package: svt Raised on class: svt.AbstractTunnel	Severity: critical Implicitly cleared: true Default probable cause: tunnelDown (23)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the 5620 SAM detects that a service tunnel is operationally down.		
Raising condition: (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up'))		
Clearing condition: (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up'))		
Remedial action: This alarm indicates that a problem has been made in the underlying transport network. If the alarm persists or re-occurs frequently then investigation of the underlying transport issues is warranted.		

Table 15-262 TxSectionSynchronizationError

Alarm	Attributes	Applicable major NE releases
Name: TxSectionSynchronizationError (92) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: txSectionSynchronizationError (78)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a SONET port reports an SS1F error. The alarm corresponds to the ss1f alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'TX Section Synchronization Error') AND ('Report Alarms'anyBit'TX Section Synchronization Error'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'TX Section Synchronization Error') AND ('Report Alarms'anyBit'TX Section Synchronization Error'))		
Remedial action: Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 15-263 UnidentifiedNode

Alarm	Attributes	Applicable major NE releases
Name: UnidentifiedNode (1922) Type: communicationsAlarm (4) Package: netw Raised on class: netw.DiscoveredNode	Severity: major Implicitly cleared: true Default probable cause: unidentifiedNode (922)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the node being discovered can not be properly identified.		
Raising condition: ('State' EQUAL 'Pending Identification')		
Clearing condition: ('State' NOT EQUAL 'Pending Identification')		
Remedial action: A configuration error has occurred that must be corrected. The eNodeB does not have a system name. The name can be configured by selecting the alarm, opening the associated properties form for the alarmed object and configuring the system name.		

Table 15-264 UnmanageFailed

Alarm	Attributes	Applicable major NE releases
Name: UnmanageFailed (300) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.NodeDiscoveryControl	Severity: warning Implicitly cleared: true Default probable cause: unableToDeleteNode (231)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an attempt to unmanage an NE fails.		
Raising condition: ('Site State' EQUAL 'unmanage failed')		
Clearing condition: ('Site State' NOT EQUAL 'unmanage failed')		
Remedial action: Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 15-265 unsupportedPortUsage

Alarm	Attributes	Applicable major NE releases
Name: unsupportedPortUsage (5184) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: warning Implicitly cleared: true Default probable cause: incompatiblePortUsage (2100)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised in case unsupported port type is configured		
Raising condition: (('portId' >= '1L') AND ('portId' <= '4L') AND ('specificCardType' EQUAL 'EASv2') AND (('Port Usage' EQUAL 'MPT-HC') OR ('Port Usage' EQUAL 'MPT-MC')))"		
Clearing condition: NOT (((('portId' >= '1L') AND ('portId' <= '4L') AND ('specificCardType' EQUAL 'EASv2') AND (('Port Usage' EQUAL 'MPT-HC') OR ('Port Usage' EQUAL 'MPT-MC')))))"		
Remedial action: This alarm indicates unsupported port usage. Port usage configured on the NE is not supported by SAM.		

Table 15-266 UpgradedBuildVersionMismatch

Alarm	Attributes	Applicable major NE releases
Name: UpgradedBuildVersionMismatch (174) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: upgradedImageNotBooted (137)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the software version that an NE reports after a software upgrade does not match the version of the software used for the upgrade.		
Raising condition: ('upgradedBuildVersionMismatch' EQUAL 'true')		
Clearing condition: ('upgradedBuildVersionMismatch' EQUAL 'false')		
Remedial action: Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 15-267 upgradedCardAlarm

Alarm	Attributes	Applicable major NE releases
Name: upgradedCardAlarm (255) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: upgradedCard (194)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the standby CPM is rebooted and operational after a software upgrade. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
Raising condition: ('operationalState' EQUAL 'Upgrade')		
Clearing condition: ('operationalState' EQUAL 'Up')		
Remedial action: Informational - no corrective action required.		

Table 15-268 VersionConfigRestoreFailed

Alarm	Attributes	Applicable major NE releases
Name: VersionConfigRestoreFailed (536) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: versionMismatch (405)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the restore procedure on an NE fails because of a mismatch between the backup file set version and the NE software version.		
Raising condition: ('lastNmsVersionRestoreState' EQUAL 'Failure')		
Clearing condition: ('lastNmsVersionRestoreState' EQUAL 'Success')		
Remedial action: The backup files being restored do not match with the version of node software release. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

Table 15-269 VirtualLinkDown

Alarm	Attributes	Applicable major NE releases
Name: VirtualLinkDown (122) Type: VirtualLinkAlarm (21) Package: ospf Raised on class: ospf.VirtualLink	Severity: warning Implicitly cleared: true Default probable cause: VirtualLinkDown (104)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a virtual link is Down.		
Raising condition: ('Operational State' EQUAL 'Down')		
Clearing condition: ('Operational State' NOT EQUAL 'Down')		
Remedial action: This alarm is raised when the OSPF virtual link is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 15-270 VirtualNeighborDown

Alarm	Attributes	Applicable major NE releases
Name: VirtualNeighborDown (123) Type: VirtualNeighborDown (22) Package: ospf Raised on classes: <ul style="list-style-type: none"> • ospf.ShamLink • ospf.VirtualLink 	Severity: warning Implicitly cleared: true Default probable cause: VirtualNeighborDown (105)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a neighbor virtual link is operationally down.		
Raising condition: ('neighborCount' EQUAL '0L')		
Clearing condition: ('neighborCount' NOT EQUAL '0L')		
Remedial action: This alarm is raised when the OSPF neighbor virtual link is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 15-271 WrongCpaaSoftwareVersion

Alarm	Attributes	Applicable major NE releases
Name: WrongCpaaSoftwareVersion (791) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: wrongCpaaSoftwareVersion (559)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the 7701 CPAA software is the wrong version and requires an upgrade.		
Raising condition: (('Software Version' EQUAL "\"TiMOS-B-3.0.Generic \") AND ('Chassis Type' EQUAL '7701 CPAA'))		

(1 of 2)

15 – Alcatel-Lucent 7710 SR alarms

Alarm	Attributes	Applicable major NE releases
Clearing condition: (('Software Version' NOT EQUAL '\TIMOS-B-3.0.Generic \') AND ('Chassis Type' EQUAL '7701 CPAA'))		
Remedial action: The SW version of the CPAA must be upgraded to the version compatible with CPAM version.		

(2 of 2)

Table 15-272 XplError

Alarm	Attributes	Applicable major NE releases
Name: XplError (573) Type: hardwareAnomaly (55) Package: equipment Raised on class: equipment.DaughterCard	Severity: minor Implicitly cleared: true Default probable cause: xplError (443)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an MDA reports persistent XPL Errors.		
Raising condition: ('Number Of Notifications' NOT EQUAL '0')		
Clearing condition: ('Number Of Notifications' EQUAL '0')		
Remedial action: Informational - if the condition persists then the MDA indicated in the alarm should be replaced.		

16 — Alcatel-Lucent 7750 SR alarms



Note — Some alarms that the 5620 SAM can raise against this device may not be listed in this chapter. Associating alarms with specific NE types is an ongoing Alcatel-Lucent effort. If the 5620 SAM raises an alarm against this device type, and the alarm is not described in this chapter, see chapter 35 for information about the alarm.

Table 16-1 AaPolicerResourcesExceeded

Alarm	Attributes	Applicable major NE releases
Name: AaPolicerResourcesExceeded (2930) Type: configurationAlarm (11) Package: aapolicy Raised on class: aapolicy.AaSubOvr	Severity: warning Implicitly cleared: false Default probable cause: AaPolicerResourcesExceeded (1124)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when Application Assurance configured override values exceed policer resources.		
Raising condition: (('Policer Resource Status' EQUAL 'Exceeded'))		
Clearing condition: (('Policer Resource Status' NOT EQUAL 'Exceeded'))		
Remedial action: The Application Assurance Subscriber Policy override(s) configuration has exceeded the policer resources. Remove overrides of a policy configuration for an Application Assurance subscriber where this may be occurring. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 16-2 AarpDown

Alarm	Attributes	Applicable major NE releases
Name: AarpDown (3704) Type: AarpDown (107) Package: aapolicy Raised on class: aapolicy.Aarp	Severity: major Implicitly cleared: true Default probable cause: aarpDown (1444)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0
Description: The alarm is raised when the 5620 SAM detects that an AARP is operationally down.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: The application assurance redundancy protocol is down either because it is administratively disabled, faulty or a peer address is not up. Ensure that the AARP is administratively up, and the peer ip address and this ip address points to each other.		

Table 16-3 AarpInterfaceDown

Alarm	Attributes	Applicable major NE releases
Name: AarpInterfaceDown (3904) Type: AarpInterfaceDown (111) Package: service Raised on class: service.AarpInterface	Severity: major Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0
Description: The alarm is raised when the 5620 SAM detects that an AARP interface is operationally down.		
Raising condition: (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
Clearing condition: (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
Remedial action: The condition exists because the physical interface is down either because it is administratively disabled, faulty or a cabling fault has occurred. Ensure that the interface is administratively up. Check for a poor cable connection to the port or for a faulty cable/fiber. If neither appears to be the problem run diagnostics on the port to determine if it is faulty.		

Table 16-4 AccessInterfaceDown

Alarm	Attributes	Applicable major NE releases
Name: AccessInterfaceDown (249) Type: AccessInterfaceAlarm (32) Package: service Raised on class: service.AccessInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an L2 or L3 interface operational state is Down. The alarm is not raised against an L2 access interface that is associated with an MC ring or MC LAG in the standby state.		
Raising condition: (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'Standby For MC-Ring') AND ('State Cause' NOT EQUAL 'Standby For MC-Lag') AND ('State Cause' NOT EQUAL 'Standby For BGP Multi-homing'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'Standby For MC-Ring') OR ('State Cause' EQUAL 'Standby For MC-Lag') OR ('State Cause' EQUAL 'Standby For BGP Multi-homing'))		

(1 of 2)

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

(2 of 2)

Table 16-5 ActiveAbnormalCondition

Alarm	Attributes	Applicable major NE releases
Name: ActiveAbnormalCondition (3938) Type: activeAbnormalConditionAlarm (116) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ActiveAbnormalConditionState (1520)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is an indication for abnormal condition on NE.		
Raising condition: ('abnormalCondition' EQUAL 'true')		
Clearing condition: ('abnormalCondition' EQUAL 'false')		
Remedial action: This alarm is raised when there is a abnormal state indication on NE.		

Table 16-6 AGWDiameterPeerDown

Alarm	Attributes	Applicable major NE releases
Name: AGWDiameterPeerDown (844) Type: EpcAlarm (59) Package: lte Raised on class: lte.AGWDiameterPeer	Severity: variable Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the path management state of a Diameter peer changes to a state other than Up.		
Raising condition: ('Path Diameter Management State' NOT EQUAL 'Active')		
Clearing condition: ('Path Diameter Management State' EQUAL 'Active')		
Remedial action: A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

Table 16-7 AncillaryPathLimitReached

Alarm	Attributes	Applicable major NE releases
Name: AncillaryPathLimitReached (459) Type: resourceAlarm (28) Package: equipment Raised on class: equipment.DaughterCard	Severity: warning Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the Ingress Multicast Path Management ancillary path bandwidth limit is reached.		
Raising condition: (('Ancillary Path Limit Override' > '0') AND ('Ancillary Path In use' >= (1000 * 'Ancillary Path Limit Override'))"		
Clearing condition: (('Ancillary Path Limit Override' > '0') AND ('Ancillary Path In use' < (1000 * 'Ancillary Path Limit Override'))"		
Remedial action: Informational - The alarm is raised when the Ingress Multicast Path Management ancillary path bandwidth limit is reached. This can be remedied by modifying the ancillary path limit located at T1 Paths tab of the multicast bandwidth policy which assigned to the card, or increase the ancillary path limit override located at the Daughter Card tab under Daughter Card Slot form.		

Table 16-8 AreaTypeMismatch

Alarm	Attributes	Applicable major NE releases
Name: AreaTypeMismatch (38) Type: configurationAlarm (11) Package: ospf Raised on class: ospf.Area	Severity: warning Implicitly cleared: true Default probable cause: areaTypeMisconfigured (34)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an OSPF area on one NE is configured as an NSSA and the same OSPF area on another NE is configured as a stub area.		
Raising condition: ('Type Mismatch' EQUAL 'true')		
Clearing condition: ('Type Mismatch' EQUAL 'false')		
Remedial action: A configuration error has been made which must be corrected. The OSPF area type configured for the NE does not match with the same OSPF area configured on another NE. Compare the configuration on the endpoint and correct the mismatch.		

Table 16-9 AsymmetricalConfig (lag)

Alarm	Attributes	Applicable major NE releases
Name: AsymmetricalConfig (295) Type: configurationAlarm (11) Package: lag Raised on classes: <ul style="list-style-type: none"> • lag.MultiChassisLag • lag.MultiChassisLagMember 	Severity: major Implicitly cleared: true Default probable cause: asymmetricalConfig (226)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the members of an MC LAG do not have matching configurations.		
Raising condition: ('configMismatches' NOT EQUAL '0L')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: ('configMismatches' EQUAL '0L')		
Remedial action: Check configurations on both members to see anything not matched.		

(2 of 2)

Table 16-10 AsymmetricalConfig (multichassis)

Alarm	Attributes	Applicable major NE releases
Name: AsymmetricalConfig (295) Type: configurationAlarm (11) Package: multichassis Raised on classes: <ul style="list-style-type: none"> multichassis.AbstractMultiChassisLag multichassis.MultiChassisLagMember multichassis.AbstractMultiChassisPeer 	Severity: major Implicitly cleared: true Default probable cause: asymmetricalConfig (226)	<ul style="list-style-type: none"> 10.0 11.0 12.0 9.0
Description: The alarm is raised when there is a peer configuration mismatch that prevents MC operation.		
Raising condition: ('Config Mismatches' NOT EQUAL '0L')		
Clearing condition: ('Config Mismatches' EQUAL '0L')		
Remedial action: Check configurations on both members to see anything not matched.		

Table 16-11 AuthKeyConflict (rsvp)

Alarm	Attributes	Applicable major NE releases
Name: AuthKeyConflict (5188) Type: processingErrorAlarm (81) Package: rsvp Raised on class: rsvp.AuthenticationKey	Severity: warning Implicitly cleared: true Default probable cause: AuthKeyConflict (2103)	<ul style="list-style-type: none"> 10.0 11.0 12.0 9.0
Description: The alarm is raised when both Authentication Key and RSVP Keychain are configured. RSVP Keychain will be used.		
Raising condition: (('RSVP Keychain' NOT EQUAL "") AND ('enableAuthentication' EQUAL 'true'))		
Clearing condition: (('RSVP Keychain' EQUAL "") OR ('enableAuthentication' NOT EQUAL 'true'))		
Remedial action: Authentication Key and RSVP Keychain are both configured. RSVP Keychain will be used. The alarm is cleared when only one is configured.		

Table 16-12 AuxiliaryServerStatus

Alarm	Attributes	Applicable major NE releases
Name: AuxiliaryServerStatus (311) Type: communicationsAlarm (4) Package: server Raised on class: server.AuxiliaryServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a 5620 SAM main server cannot communicate with an auxiliary server. The alarm clears when communication is restored.		
Raising condition: ('Server Status' EQUAL 'Down')		
Clearing condition: ('Server Status' EQUAL 'Up')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the AUX and SAM servers is unreliable.		

Table 16-13 BerLineSignalDegradation

Alarm	Attributes	Applicable major NE releases
Name: BerLineSignalDegradation (88) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: berLineSignalDegradation (74)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a SONET port reports a line signal degradation BER error. The alarm corresponds to the lb2er-sd alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'BER Line Signal Degradation') AND ('Report Alarms'anyBit'BER Line Signal Degradation'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'BER Line Signal Degradation') AND ('Report Alarms'anyBit'BER Line Signal Degradation'))))		
Remedial action: Informational only.		

Table 16-14 BerLineSignalFailure

Alarm	Attributes	Applicable major NE releases
Name: BerLineSignalFailure (89) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: berLineSignalFailure (75)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a SONET port reports a line signal degradation BER error. The alarm corresponds to the lb2er-sf alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'BER Line Signal Failure') AND ('Report Alarms'anyBit'BER Line Signal Failure'))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: NOT (((('Outstanding Alarms'anyBit'BER Line Signal Failure') AND ('Report Alarms'anyBit'BER Line Signal Failure'))))		
Remedial action: Informational only.		

(2 of 2)

Table 16-15 BfdInterfaceConnectionBroken

Alarm	Attributes	Applicable major NE releases
Name: BfdInterfaceConnectionBroken (3329) Type: serviceAlarm (16) Package: vrrp Raised on class: vrrp.BfdInterface	Severity: minor Implicitly cleared: true Default probable cause: bfdSessionConnectionBroken (593)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the BFD connection to a peer times out.		
Raising condition: ('Operational State' EQUAL 'Timed Out')		
Clearing condition: ('Operational State' NOT EQUAL 'Timed Out')		
Remedial action: Check the peer router, fix the BFD connection		

Table 16-16 BfdInterfaceConnectionDown

Alarm	Attributes	Applicable major NE releases
Name: BfdInterfaceConnectionDown (3330) Type: serviceAlarm (16) Package: vrrp Raised on class: vrrp.BfdInterface	Severity: minor Implicitly cleared: true Default probable cause: bfdSessionDown (346)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the Operational State of a BFD session is Not Connected.		
Raising condition: ('Operational State' NOT EQUAL 'Operational')		
Clearing condition: ('Operational State' EQUAL 'Operational')		
Remedial action: Check the BFD interface configuration, fix the BFD connection		

Table 16-17 BfdInterfaceConnectionPeerDetectsDown

Alarm	Attributes	Applicable major NE releases
Name: BfdInterfaceConnectionPeerDetectsDown (3331) Type: serviceAlarm (16) Package: vrrp Raised on class: vrrp.BfdInterface	Severity: minor Implicitly cleared: true Default probable cause: bfdSessionConnectionPeerDetectsDown (594)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a BFD peer detects a connection timeout.		
Raising condition: ('Operational State' EQUAL 'Down')		
Clearing condition: ('Operational State' NOT EQUAL 'Down')		
Remedial action: Fix the BFD connection		

Table 16-18 BgpDown

Alarm	Attributes	Applicable major NE releases
Name: BgpDown (6) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a BGP instance has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: The BGP protocol entity is down - administratively disable BGP and re-enable. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 16-19 BITS2NotQualified

Alarm	Attributes	Applicable major NE releases
Name: BITS2NotQualified (1941) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: timingReferenceNotQualified (418)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the BITS-2 timing reference on an NE is not in the Qualified state.		
Raising condition: (('Qualified For Use' EQUAL 'Not Qualified') AND ('Input Administrative State' NOT EQUAL 'Down'))		
Clearing condition: (('Qualified For Use' NOT EQUAL 'Not Qualified') OR ('Input Administrative State' EQUAL 'Down'))		
Remedial action: Make sure that BITS2 is qualified		

Table 16-20 BITSNotQualified

Alarm	Attributes	Applicable major NE releases
Name: BITSNotQualified (547) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: timingReferenceNotQualified (418)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the BITS timing reference on an NE is not in the Qualified state.		
Raising condition: (('Qualified For Use' EQUAL 'Not Qualified') AND ('Output Administrative State' NOT EQUAL 'Down'))		
Clearing condition: (('Qualified For Use' NOT EQUAL 'Not Qualified') OR ('Output Administrative State' EQUAL 'Down'))		
Remedial action: Make sure that BITS is qualified		

Table 16-21 BITSReferenceLossOfSignal

Alarm	Attributes	Applicable major NE releases
Name: BITSReferenceLossOfSignal (1950) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: BITSReferenceLossOfSignal (938)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the BITS reference on an NE is not qualified due to Loss of Signal.		
Raising condition: (('Not Qualified Due To'anyBit'LOS'))		
Clearing condition: NOT (('Not Qualified Due To'anyBit'LOS'))		
Remedial action: Make sure that peer connected to BITS is properly configured.		

Table 16-22 BITSReferenceOutOfFrequency

Alarm	Attributes	Applicable major NE releases
Name: BITSReferenceOutOfFrequency (1951) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: BITSReferenceOutOfFrequency (939)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the BITS Reference on an NE is not qualified due to Out of frequency.		
Raising condition: (('Not Qualified Due To'anyBit'OOF'))		
Clearing condition: NOT (('Not Qualified Due To'anyBit'OOF'))		
Remedial action: Make sure that frequency configured for BITS is correct.		

Table 16-23 BITSReferenceOutOfPollInRange

Alarm	Attributes	Applicable major NE releases
Name: BITSReferenceOutOfPollInRange (1952) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: BITSReferenceOutOfPollInRange (940)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the BITS Reference on an NE is not qualified state due to Out of poll in range.		
Raising condition: (('Not Qualified Due To'anyBit'OOPIR'))		
Clearing condition: NOT (('Not Qualified Due To'anyBit'OOPIR'))		
Remedial action: Check the BITS is configured correctly. Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary		

Table 16-24 BootableConfigBackupFailed

Alarm	Attributes	Applicable major NE releases
Name: BootableConfigBackupFailed (103) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the 5620 SAM fails to back up a set of NE configuration files.		
Raising condition: ('Backup State' EQUAL 'Failure')		
Clearing condition: ('Backup State' EQUAL 'Success')		
Remedial action: Investigation is required to resolve the following possible scenarios: insufficient disk space is available to accommodate the NE configuration files (additional SAM platform alarms will accompany this alarm); the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

Table 16-25 BootableConfigRestoreFailed

Alarm	Attributes	Applicable major NE releases
Name: BootableConfigRestoreFailed (104) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the 5620 SAM fails to restore a set of NE configuration files.		
Raising condition: ('Restore State' EQUAL 'Failure')		
Clearing condition: ('Restore State' EQUAL 'Success')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: Investigation is required to resolve the following possible scenarios: the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

(2 of 2)

Table 16-26 BootParametersMisconfigured

Alarm	Attributes	Applicable major NE releases
Name: BootParametersMisconfigured (35) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: persistentIndexFailure (30) Applicable probable causes: <ul style="list-style-type: none"> • persistentIndexFailure • configFileBootFailure 	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the SNMP Index Boot Status on an NE is not set to Persistent.		
Raising condition: (('isGenericNode' EQUAL 'false') AND ('State' NOT EQUAL 'Pre-provisioned') AND (('Config File Status' NOT EQUAL 'Executed Successfully') OR ('Persistent Index Status' NOT EQUAL 'Rebuild Succeeded')))		
Clearing condition: (('Config File Status' EQUAL 'Executed Successfully') AND ('Persistent Index Status' EQUAL 'Rebuild Succeeded'))		
Remedial action: Ensure that "SNMP Index Boot Status" is persistent (using cli command "show system information" on the NE). If not, unmanage the network element from SAM, ensure that "persist on" is set in the bof file, save the bof, save a config file, verify that an index file (.ndx) is saved as well, reboot the router, verify that SNMP Index Boot Status is persistent and finally remanage the router from SAM.		

Table 16-27 BundleDown

Alarm	Attributes	Applicable major NE releases
Name: BundleDown (152) Type: equipmentAlarm (3) Package: bundle Raised on class: bundle.Interface	Severity: critical Implicitly cleared: true Default probable cause: bundleDown (128)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the bundle Administrative State is Up and the Operational State is Down.		
Raising condition: (('Protection Type' EQUAL 'None') AND ('Administrative State' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up') AND ('specificCardType' NOT EQUAL '16 x E1 (ASAP)'))		
Clearing condition: (('Protection Type' NOT EQUAL 'None') OR ('operationalState' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: Informational - no corrective action required.		

Table 16-28 CcagDown

Alarm	Attributes	Applicable major NE releases
Name: CcagDown (210) Type: equipmentAlarm (3) Package: ccag Raised on class: ccag.CrossConnectAggregationGroup	Severity: major Implicitly cleared: true Default probable cause: CcagDown (163)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the CCAG Administrative State is Up and the Operational State is Down.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: Informational - no corrective action required.		

Table 16-29 CesBfrOverrun

Alarm	Attributes	Applicable major NE releases
Name: CesBfrOverrun (448) Type: communicationsAlarm (4) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: major Implicitly cleared: true Default probable cause: bufferOverrun (322)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the 5620 SAM detects a jitter buffer overrun.		
Raising condition: (('Report Alarm Status'anyBit'Buffer Overrun') AND ('Report Alarm'anyBit'Buffer Overrun'))		
Clearing condition: NOT (((('Report Alarm Status'anyBit'Buffer Overrun') AND ('Report Alarm'anyBit'Buffer Overrun'))))		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 16-30 CesBfrUnderrun

Alarm	Attributes	Applicable major NE releases
Name: CesBfrUnderrun (449) Type: communicationsAlarm (4) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: major Implicitly cleared: true Default probable cause: bufferOverrun (322)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the 5620 SAM detects a jitter buffer underrun.		
Raising condition: (('Report Alarm Status'anyBit'Buffer Underrun') AND ('Report Alarm'anyBit'Buffer Underrun'))		
Clearing condition: NOT (((('Report Alarm Status'anyBit'Buffer Underrun') AND ('Report Alarm'anyBit'Buffer Underrun'))))		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 16-31 CesMalformedPkts

Alarm	Attributes	Applicable major NE releases
Name: CesMalformedPkts (446) Type: communicationsAlarm (4) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: major Implicitly cleared: true Default probable cause: malformedPackets (320)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the 5620 SAM detects one or more malformed packets.		
Raising condition: (('Report Alarm Status'anyBit'Malformed Packets') AND ('Report Alarm'anyBit'Malformed Packets'))		
Clearing condition: NOT (((('Report Alarm Status'anyBit'Malformed Packets') AND ('Report Alarm'anyBit'Malformed Packets'))		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 16-32 CesPktLoss

Alarm	Attributes	Applicable major NE releases
Name: CesPktLoss (447) Type: communicationsAlarm (4) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: major Implicitly cleared: true Default probable cause: lossOfPacket (321)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the 5620 SAM detects a packet loss.		
Raising condition: (('Report Alarm Status'anyBit'Packet Loss') AND ('Report Alarm'anyBit'Packet Loss'))		
Clearing condition: NOT (((('Report Alarm Status'anyBit'Packet Loss') AND ('Report Alarm'anyBit'Packet Loss'))		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 16-33 CesRmtPktLoss

Alarm	Attributes	Applicable major NE releases
Name: CesRmtPktLoss (450) Type: communicationsAlarm (4) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: minor Implicitly cleared: true Default probable cause: farEndLossOfPacket (323)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the 5620 SAM detects a remote packet loss.		
Raising condition: (('Report Alarm Status'anyBit'Remote Packet Loss') AND ('Report Alarm'anyBit'Remote Packet Loss'))		
Clearing condition: NOT (((('Report Alarm Status'anyBit'Remote Packet Loss') AND ('Report Alarm'anyBit'Remote Packet Loss'))		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 16-34 CesRmtRdi

Alarm	Attributes	Applicable major NE releases
Name: CesRmtRdi (452) Type: configurationAlarm (11) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: minor Implicitly cleared: false Default probable cause: farEndRdi (325)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the 5620 SAM detects a remote RDI.		
Raising condition: (('Report Alarm Status'anyBit'Remote RDI') AND ('Report Alarm'anyBit'Remote RDI'))		
Clearing condition: NOT (((('Report Alarm Status'anyBit'Remote RDI') AND ('Report Alarm'anyBit'Remote RDI'))))		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 16-35 CesRmtTdmFault

Alarm	Attributes	Applicable major NE releases
Name: CesRmtTdmFault (451) Type: configurationAlarm (11) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: minor Implicitly cleared: false Default probable cause: tdmFarEndFault (324)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the 5620 SAM detects a remote TDM fault.		
Raising condition: (('Report Alarm Status'anyBit'Remote TDM Fault') AND ('Report Alarm'anyBit'Remote TDM Fault'))		
Clearing condition: NOT (((('Report Alarm Status'anyBit'Remote TDM Fault') AND ('Report Alarm'anyBit'Remote TDM Fault'))))		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 16-36 CesStrayPkts

Alarm	Attributes	Applicable major NE releases
Name: CesStrayPkts (445) Type: communicationsAlarm (4) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: minor Implicitly cleared: true Default probable cause: strayPackets (319)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the 5620 SAM detects received stray packets.		
Raising condition: (('Report Alarm Status'anyBit'Stray Packets') AND ('Report Alarm'anyBit'Stray Packets'))		
Clearing condition: NOT (((('Report Alarm Status'anyBit'Stray Packets') AND ('Report Alarm'anyBit'Stray Packets'))))		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 16-37 CircuitStpExceptionCondition

Alarm	Attributes	Applicable major NE releases
Name: CircuitStpExceptionCondition (648) Type: SdpBindingAlarm (30) Package: l2fwd Raised on class: l2fwd.CircuitStp	Severity: major Implicitly cleared: true Default probable cause: StpException (228)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an NE detects an STP exception condition on a SAP, for example, one-way communication or a downstream loop. The alarm clears when the STP status changes.		
Raising condition: (('STP Exception Condition' NOT EQUAL 'None') AND ('Administrative State' EQUAL 'Up'))		
Clearing condition: (('STP Exception Condition' EQUAL 'None') OR ('Administrative State' EQUAL 'Down'))		
Remedial action: Check 'STP Exception Condition' field for more details and fix the STP exception.		

Table 16-38 ClientDelegateServerStatus

Alarm	Attributes	Applicable major NE releases
Name: ClientDelegateServerStatus (731) Type: communicationsAlarm (4) Package: server Raised on class: server.ClientDelegateServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a client delegate server is unreachable.		
Raising condition: ('Server Status' EQUAL 'Down')		
Clearing condition: ('Server Status' EQUAL 'Up')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the client delegate platform and SAM servers is unreliable or the client delegate server itself is unreliable.		

Table 16-39 CoherentOpticalModuleFault

Alarm	Attributes	Applicable major NE releases
Name: CoherentOpticalModuleFault (4612) Type: communicationsAlarm (4) Package: ethernetEquipment Raised on class: ethernetEquipment.CoherentOpticalCfgr	Severity: major Implicitly cleared: true Default probable cause: ModuleFault (1881)	<ul style="list-style-type: none"> • 11.0 • 12.0
Description: The alarm is raised when a device reports module fault on a coherent optical interface.		
Raising condition: (('Configured Alarms'anyBit'Module Fault') AND ('Reported Alarms'anyBit'Module Fault'))		
Clearing condition: NOT (('Configured Alarms'anyBit'Module Fault') AND ('Reported Alarms'anyBit'Module Fault'))		
Remedial action: Module Fault occurred.		

Table 16-40 CoherentOpticalModuleHostTxFault

Alarm	Attributes	Applicable major NE releases
Name: CoherentOpticalModuleHostTxFault (4613) Type: communicationsAlarm (4) Package: ethernetEquipment Raised on class: ethernetEquipment.CoherentOpticalCfg	Severity: major Implicitly cleared: true Default probable cause: CoherentModuleHostTxFault (1882)	<ul style="list-style-type: none"> • 11.0 • 12.0
Description: The alarm is raised when a device reports Host Tx Fault on a coherent optical interface.		
Raising condition: (('Configured Alarms'anyBit'Host (Electrical Side) Transmit') AND ('Reported Alarms'anyBit'Host (Electrical Side) Transmit'))		
Clearing condition: NOT (('Configured Alarms'anyBit'Host (Electrical Side) Transmit') AND ('Reported Alarms'anyBit'Host (Electrical Side) Transmit'))		
Remedial action: Module Host Tx Fault occurred.		

Table 16-41 CoherentOpticalModuleReferenceLockLoss

Alarm	Attributes	Applicable major NE releases
Name: CoherentOpticalModuleReferenceLockLoss (4614) Type: communicationsAlarm (4) Package: ethernetEquipment Raised on class: ethernetEquipment.CoherentOpticalCfg	Severity: major Implicitly cleared: true Default probable cause: ReferenceLockLoss (1883)	<ul style="list-style-type: none"> • 11.0 • 12.0
Description: The alarm is raised when a device reports loss of reference lock signal on a coherent optical interface.		
Raising condition: (('Configured Alarms'anyBit'Module') AND ('Reported Alarms'anyBit'Module'))		
Clearing condition: NOT (('Configured Alarms'anyBit'Module') AND ('Reported Alarms'anyBit'Module'))		
Remedial action: Loss of reference lock.		

Table 16-42 CoherentOpticalModuleRxFault

Alarm	Attributes	Applicable major NE releases
Name: CoherentOpticalModuleRxFault (4615) Type: communicationsAlarm (4) Package: ethernetEquipment Raised on class: ethernetEquipment.CoherentOpticalCfg	Severity: critical Implicitly cleared: true Default probable cause: CoherentModuleRxFault (1884)	<ul style="list-style-type: none"> • 11.0 • 12.0
Description: The alarm is raised when a device reports Rx Fault on a coherent optical interface.		
Raising condition: (('Configured Alarms'anyBit'Network (Optical Side) Receive') AND ('Reported Alarms'anyBit'Network (Optical Side) Receive'))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: NOT (((('Configured Alarms'anyBit'Network (Optical Side) Receive') AND ('Reported Alarms'anyBit'Network (Optical Side) Receive'))))		
Remedial action: Module Rx Fault occurred.		

(2 of 2)

Table 16-43 CoherentOpticalModuleTxFault

Alarm	Attributes	Applicable major NE releases
Name: CoherentOpticalModuleTxFault (4616) Type: communicationsAlarm (4) Package: ethernetEquipment Raised on class: ethernetEquipment.CoherentOpticalCfg	Severity: major Implicitly cleared: true Default probable cause: CoherentModuleTxFault (1885)	<ul style="list-style-type: none"> • 11.0 • 12.0
Description: The alarm is raised when a device reports Tx Fault on a coherent optical interface.		
Raising condition: (((('Configured Alarms'anyBit'Network (Optical Side) Transmit') AND ('Reported Alarms'anyBit'Network (Optical Side) Transmit'))))		
Clearing condition: NOT (((('Configured Alarms'anyBit'Network (Optical Side) Transmit') AND ('Reported Alarms'anyBit'Network (Optical Side) Transmit'))))		
Remedial action: Module Tx Fault occurred.		

Table 16-44 ConfigurationRescueFileDeleteStatus

Alarm	Attributes	Applicable major NE releases
Name: ConfigurationRescueFileDeleteStatus (3894) Type: configurationRescueAlarm (109) Package: rollback Raised on class: rollback.RollbackNEInfo	Severity: info Implicitly cleared: false Default probable cause: configurationRescueFileDeleteOperationPerformed (1485)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a configuration rollback rescue file delete operation is performed.		
Remedial action: Informational - If rollback rescue file deletion status indicates failed, then, the requested rescue file might not be available or check the FTP permission for the rescue location.		

Table 16-45 ConfigurationRescueFileSaveStatus

Alarm	Attributes	Applicable major NE releases
Name: ConfigurationRescueFileSaveStatus (3895) Type: configurationRescueAlarm (109) Package: rollback Raised on class: rollback.RollbackNEInfo	Severity: info Implicitly cleared: false Default probable cause: configurationRescueFileSaveOperationPerformed (1486)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a configuration rollback rescue save operation is performed.		
Remedial action: Informational - If rollback rescue file creation status indicates failed, then, check the FTP permission for the rescue location.		

Table 16-46 ConfigurationRescueStatus

Alarm	Attributes	Applicable major NE releases
Name: ConfigurationRescueStatus (3896) Type: configurationRescueAlarm (109) Package: rollback Raised on class: rollback.RollbackNEInfo	Severity: info Implicitly cleared: false Default probable cause: configurationRescueOperationPerformed (1487)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a configuration rollback rescue operation is performed.		
Remedial action: Informational - If rollback rescue status indicates failed, then, the rescue file might not be available or check the FTP permission for the rescue location.		

Table 16-47 ConfigurationRollBackFileDeleteStatus

Alarm	Attributes	Applicable major NE releases
Name: ConfigurationRollBackFileDeleteStatus (3897) Type: configurationRollBackAlarm (103) Package: rollback Raised on class: rollback.RollbackNEInfo	Severity: info Implicitly cleared: false Default probable cause: configurationRollBackFileDeleteOperationPerformed (1488)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a configuration rollback file delete operation is performed.		
Remedial action: Informational - If rollback file deletion status indicates failed, then, the requested rollback file might not be available or check the FTP permission for the rollback location..		

Table 16-48 ConfigurationRollBackFileSyncStatus

Alarm	Attributes	Applicable major NE releases
Name: ConfigurationRollBackFileSyncStatus (3898) Type: configurationRollBackFileSyncAlarm (110) Package: rollback Raised on class: rollback.RollbackNEInfo	Severity: info Implicitly cleared: false Default probable cause: configurationRollBackFileSyncOperationPerformed (1489)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a configuration rollback CPM sync operation is performed.		
Remedial action: Informational - If rollback files CPM Sync status indicates failed, then, check whether standby CPM is up.		

Table 16-49 ConfigurationRollBackSaveStatus

Alarm	Attributes	Applicable major NE releases
Name: ConfigurationRollBackSaveStatus (3899) Type: configurationRollBackAlarm (103) Package: rollback Raised on class: rollback.RollbackNEInfo	Severity: info Implicitly cleared: false Default probable cause: configurationRollBackSaveOperationPerformed (1490)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a configuration rollback save operation is performed.		
Remedial action: Informational - If rollback file creation status indicates failed, then, check the FTP permission for the rollback location.		

Table 16-50 ConfigurationRollBackStatus (netw)

Alarm	Attributes	Applicable major NE releases
Name: ConfigurationRollBackStatus (3684) Type: configurationRollBackAlarm (103) Package: netw Raised on class: netw.NetworkElement	Severity: info Implicitly cleared: false Default probable cause: configurationRollBackOperationPerformed (1422)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a configuration rollback operation is performed.		
Remedial action: Informational - If rollback status indicates failed, then, the requested checkpoint might not be available or NE configuration might need to be restored.		

Table 16-51 ConfigurationRollBackStatus (rollback)

Alarm	Attributes	Applicable major NE releases
Name: ConfigurationRollBackStatus (3684) Type: configurationRollBackAlarm (103) Package: rollback Raised on class: rollback.RollbackNEInfo	Severity: info Implicitly cleared: false Default probable cause: configurationRollBackOperationPerformed (1422)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a configuration rollback operation is performed.		
Remedial action: Informational - If rollback status indicates failed, then, the requested checkpoint might not be available or NE configuration might need to be restored.		

Table 16-52 ContainingEquipmentAdministrativelyDown

Alarm	Attributes	Applicable major NE releases
Name: ContainingEquipmentAdministrativelyDown (466) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: minor Implicitly cleared: true Default probable cause: containingEquipmentAdministrativelyDown (330)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentAdministrativelyDown.		
Raising condition: (('Status' EQUAL 'Parent Admin Down') AND ('isTerminatable' EQUAL 'true'))		
Clearing condition: (('Status' NOT EQUAL 'Parent Admin Down') OR ('isTerminatable' NOT EQUAL 'true'))		
Remedial action: Informational - no corrective action required.		

Table 16-53 ContainingEquipmentMismatch

Alarm	Attributes	Applicable major NE releases
Name: ContainingEquipmentMismatch (464) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentMismatch (328)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentMismatch.		
Raising condition: (('Status' EQUAL 'Parent Type Mismatch') AND ('isTerminatable' EQUAL 'true'))		
Clearing condition: (('Status' NOT EQUAL 'Parent Type Mismatch') OR ('isTerminatable' NOT EQUAL 'true'))		
Remedial action: A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

Table 16-54 ContainingEquipmentOperationallyDown

Alarm	Attributes	Applicable major NE releases
Name: ContainingEquipmentOperationallyDown (465) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentDown (329)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentOperationallyDown.		
Raising condition: (('Status' EQUAL 'Parent Oper Down') AND ('isTerminatable' EQUAL 'true'))		
Clearing condition: (('Status' NOT EQUAL 'Parent Oper Down') OR ('isTerminatable' NOT EQUAL 'true'))		
Remedial action: The operational state of the equipment element indicated in the alarm is down. This may be due to the element's administrative state or it may indicate that the element has failed.		

Table 16-55 CorruptImageFile

Alarm	Attributes	Applicable major NE releases
Name: CorruptImageFile (171) Type: configurationAlarm (11) Package: mediation Raised on class: mediation.AbstractSoftwareFolderDescriptor	Severity: critical Implicitly cleared: true Default probable cause: invalidOrCorruptImageFile (134)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when one or more files in the 5620 SAM software image specified for a device software upgrade is invalid, corrupt or absent. The 5620 SAM validates a device software file set before it imports the file set and distributes it to an NE. Ensure that the file set downloads properly to the NE and is not tampered with before you re-attempt the upgrade. The alarm clears when a valid file set is on the NE and the 5620 SAM activates the software image in the file set.		
Raising condition: ('isImageValid' EQUAL 'false')		
Clearing condition: ('isImageValid' EQUAL 'true')		
Remedial action: The existing SW image in the SAM database should be replaced with an image that is known to be complete and valid.		

Table 16-56 CpmProtectionExceedEntry

Alarm	Attributes	Applicable major NE releases
Name: CpmProtectionExceedEntry (2925) Type: communications (87) Package: sitesec Raised on class: sitesec.CpmProtExcdEntry	Severity: warning Implicitly cleared: false Default probable cause: denialOfService (790)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a MAC packet stream has exceeded its per-source limit.		
Raising condition: ('Number of Rate Violations' NOT EQUAL '0L')		

(1 of 2)

16 – Alcatel-Lucent 7750 SR alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: A device in the network is sending traffic to the NE at a rate which is higher than expected. The source of the traffic must be identified and if the behavior is undesired then the device should be disabled. It is also possible that the threshold has been configured at a level which is lower than acceptable in which case the configuration should be align with the traffic levels expected.		

(2 of 2)

Table 16-57 CpmProtectionExceedSapIpEntry

Alarm	Attributes	Applicable major NE releases
Name: CpmProtectionExceedSapIpEntry (3911) Type: communications (87) Package: sitesec Raised on class: sitesec.CpmProtExcdSapIpEntry	Severity: warning Implicitly cleared: false Default probable cause: denialOfService (790)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an IP packet stream has exceeded the per-source limit.		
Raising condition: ('Number of Rate Violations' NOT EQUAL '0L')		
Remedial action: A device in the network is sending traffic to the NE at a rate which is higher than expected. The source of the traffic must be identified and if the behavior is undesired then the device should be disabled. It is also possible that the threshold has been configured at a level which is lower than acceptable in which case the configuration should be align with the traffic levels expected.		

Table 16-58 CpmProtectionViolationIfEntry

Alarm	Attributes	Applicable major NE releases
Name: CpmProtectionViolationIfEntry (2926) Type: communications (87) Package: sitesec Raised on class: sitesec.CpmProtViolIfEntry	Severity: warning Implicitly cleared: false Default probable cause: denialOfService (790)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the link-specific packet arrival rate limit at the interface is violated.		
Raising condition: ('Number of Rate Violations' NOT EQUAL '0L')		
Remedial action: A device in the network is sending traffic to the NE at a rate which is higher than expected. The source of the traffic must be identified and if the behavior is undesired then the device should be disabled. It is also possible that the threshold has been configured at a level which is lower than acceptable in which case the configuration should be align with the traffic levels expected.		

Table 16-59 CpmProtectionViolationPortEntry

Alarm	Attributes	Applicable major NE releases
Name: CpmProtectionViolationPortEntry (2927) Type: communications (87) Package: sitesec Raised on class: sitesec.CpmProtViolPortEntry	Severity: warning Implicitly cleared: false Default probable cause: denialOfService (790)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the link-specific packet arrival rate limit at the port is violated.		
Raising condition: (('Number of Per-port Violations' NOT EQUAL '0L') OR ('Number of Link-specific Violations' NOT EQUAL '0L'))		
Remedial action: A device in the network is sending traffic to the NE at a rate which is higher than expected. The source of the traffic must be identified and if the behavior is undesired then the device should be disabled. It is also possible that the threshold has been configured at a level which is lower than acceptable in which case the configuration should be align with the traffic levels expected.		

Table 16-60 CpmProtectionViolationSAPEntry

Alarm	Attributes	Applicable major NE releases
Name: CpmProtectionViolationSAPEntry (2928) Type: communications (87) Package: sitesec Raised on class: sitesec.CpmProtViolSapEntry	Severity: warning Implicitly cleared: false Default probable cause: denialOfService (790)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the link-specific packet arrival rate limit at the SAP is violated.		
Raising condition: ('Number of Rate Violations' NOT EQUAL '0L')		
Remedial action: A device in the network is sending traffic to the NE at a rate which is higher than expected. The source of the traffic must be identified and if the behavior is undesired then the device should be disabled. It is also possible that the threshold has been configured at a level which is lower than acceptable in which case the configuration should be align with the traffic levels expected.		

Table 16-61 CpmProtectionViolationSDPEntry

Alarm	Attributes	Applicable major NE releases
Name: CpmProtectionViolationSDPEntry (5415) Type: communications (87) Package: sitesec Raised on class: sitesec.CpmProtViolSdpEntry	Severity: warning Implicitly cleared: false Default probable cause: denialOfService (790)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the overall packet arrival rate limit at the SDP is violated.		
Raising condition: ('Number of Rate Violations' NOT EQUAL '0L')		
Remedial action: A device in the network is sending traffic to the NE at a rate which is higher than expected. The source of the traffic must be identified and if the behavior is undesired then the device should be disabled. It is also possible that the threshold has been configured at a level which is lower than acceptable in which case the configuration should be align with the traffic levels expected.		

Table 16-62 DDMAux1HighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMAux1HighAlarm (495) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: aux1HighAlarm (381)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the manufacturer-specific Auxiliary 1 of the XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux1 High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux1 High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 16-63 DDMAux1HighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMAux1HighWarning (494) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: aux1HighWarning (380)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the manufacturer-specific Auxiliary 1 of the XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux1 High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux1 High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 16-64 DDMAux1LowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMAux1LowAlarm (493) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: aux1LowAlarm (379)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the manufacturer-specific Auxiliary 1 of the XFP reaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux1 Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux1 Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 16-65 DDMAux1LowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMAux1LowWarning (492) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: aux1LowWarning (378)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the manufacturer-specific Auxiliary 1 of the XFP approaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux1 Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux1 Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 16-66 DDMAux2HighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMAux2HighAlarm (499) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: aux2HighAlarm (385)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the manufacturer-specific Auxiliary 2 of the XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux2 High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux2 High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 16-67 DDMAux2HighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMAux2HighWarning (498) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: aux2HighWarning (384)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the manufacturer-specific Auxiliary 2 of the XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux2 High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux2 High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 16-68 DDMAux2LowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMAux2LowAlarm (497) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: aux2LowAlarm (383)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the manufacturer-specific Auxiliary 2 of the XFP reaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux2 Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux2 Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 16-69 DDMAux2LowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMAux2LowWarning (496) Type: communicationthresholdAlarmnsAlarm (50) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: aux2LowWarning (382)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the manufacturer-specific Auxiliary 2 of the XFP approaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux2 Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux2 Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 16-70 DDMRxOpticalPowerHighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMRxOpticalPowerHighAlarm (491) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: rxOpticalPowerHighAlarm (377)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the received optical power of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Rx Optical Power High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Rx Optical Power High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 16-71 DDMRxOpticalPowerHighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMRxOpticalPowerHighWarning (490) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: rxOpticalPowerHighWarning (376)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the received optical power of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBitRx Optical Power High Warning')		
Clearing condition: NOT (('failedThresholds'anyBitRx Optical Power High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 16-72 DDMRxOpticalPowerLowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMRxOpticalPowerLowAlarm (489) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: rxOpticalPowerLowAlarm (375)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the received optical power of an SFP or XFP reaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBitRx Optical Power Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBitRx Optical Power Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 16-73 DDMRxOpticalPowerLowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMRxOpticalPowerLowWarning (488) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: rxOpticalPowerLowWarning (374)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the received optical power of an SFP or XFP approaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBitRx Optical Power Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBitRx Optical Power Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 16-74 DDMSupplyVoltageHighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMSupplyVoltageHighAlarm (479) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: supplyVoltageHighAlarm (365)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the supply voltage of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Supply Voltage High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Supply Voltage High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 16-75 DDMSupplyVoltageHighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMSupplyVoltageHighWarning (478) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: supplyVoltageHighWarning (364)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the supply voltage of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Supply Voltage High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Supply Voltage High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 16-76 DDMSupplyVoltageLowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMSupplyVoltageLowAlarm (477) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: supplyVoltageLowAlarm (363)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the supply voltage of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Supply Voltage Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Supply Voltage Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 16-77 DDMSupplyVoltageLowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMSupplyVoltageLowWarning (476) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: supplyVoltageLowWarning (362)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the supply voltage of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Supply Voltage Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Supply Voltage Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 16-78 DDMTemperatureHighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTemperatureHighAlarm (475) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: temperatureHighAlarm (361)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the temperature of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Temperature High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Temperature High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 16-79 DDMTemperatureHighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTemperatureHighWarning (474) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: temperatureHighWarning (360)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the temperature of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Temperature High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Temperature High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 16-80 DDMTemperatureLowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTemperatureLowAlarm (473) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: temperatureLowAlarm (359)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the temperature of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Temperature Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Temperature Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 16-81 DDMTemperatureLowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTemperatureLowWarning (472) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: temperatureLowWarning (358)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the temperature of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Temperature Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Temperature Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 16-82 DDMTxBiasCurrentHighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTxBiasCurrentHighAlarm (483) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: txBiasCurrentHighAlarm (369)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the transmit bias current of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Bias Current High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Bias Current High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 16-83 DDMTxBiasCurrentHighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTxBiasCurrentHighWarning (482) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: txBiasCurrentHighWarning (368)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the transmit bias current of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Bias Current High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Bias Current High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 16-84 DDMTxBiasCurrentLowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTxBiasCurrentLowAlarm (481) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: txBiasCurrentLowAlarm (367)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the transmit bias current of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Bias Current Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Bias Current Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 16-85 DDMTxBiasCurrentLowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTxBiasCurrentLowWarning (480) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: txBiasCurrentLowWarning (366)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the transmit bias current of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Bias Current Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Bias Current Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 16-86 DDMTxOutputPowerHighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTxOutputPowerHighAlarm (487) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: txOutputPowerHighAlarm (373)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the output power of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Output Power High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Output Power High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 16-87 DDMTxOutputPowerHighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTxOutputPowerHighWarning (486) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: txOutputPowerHighWarning (372)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the output power of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Output Power High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Output Power High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 16-88 DDMTxOutputPowerLowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTxOutputPowerLowAlarm (485) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: txOutputPowerLowAlarm (371)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the output power of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Output Power Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Output Power Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 16-89 DDMTxOutputPowerLowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTxOutputPowerLowWarning (484) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: txOutputPowerLowWarning (370)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the output power of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Output Power Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Output Power Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 16-90 DHCPSErverFailoverStateChange

Alarm	Attributes	Applicable major NE releases
Name: DHCPSErverFailoverStateChange (4986) Type: configurationAlarm (11) Package: dhcp Raised on class: dhcp.LocalDhcpServerFailover	Severity: warning Implicitly cleared: true Default probable cause: DHCPSErverFailoverStateChanged (2041)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the Local DHCP Server Failover has a state other than Normal.		
Raising condition: (('state' NOT EQUAL 'Normal'))		
Clearing condition: (('state' EQUAL 'Normal'))		
Remedial action: This alarm is raised when operational state of a particular Local DHCP Server Failover is other than Normal. This can occur if the failover configuration is incorrect, disabled or if a server failover is in progress. This alarm will be cleared implicitly when the DHCP Server Failover state returns to Normal.		

Table 16-91 downgradedCardAlarm

Alarm	Attributes	Applicable major NE releases
Name: downgradedCardAlarm (256) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: downgradedCard (195)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an IOM is not upgraded or reset after a device software upgrade of both CPMs. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
Raising condition: ('operationalState' EQUAL 'Downgrade')		
Clearing condition: ('operationalState' EQUAL 'Up')		
Remedial action: Informational - no corrective action required.		

Table 16-92 DS1E1AlarmIndicationSignal

Alarm	Attributes	Applicable major NE releases
Name: DS1E1AlarmIndicationSignal (112) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: alarmIndicationSignal (96)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an NE reports that a specific DS1 or E1 channel has an AIS alarm condition.		
Raising condition: (('Outstanding Alarms'anyBit'Alarm Indication Signal') AND ('Report Alarms'anyBit'Alarm Indication Signal'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Alarm Indication Signal') AND ('Report Alarms'anyBit'Alarm Indication Signal'))))		
Remedial action: Informational only.		

Table 16-93 DS1E1Looped

Alarm	Attributes	Applicable major NE releases
Name: DS1E1Looped (126) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: farEndLoopback (102)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an NE reports that a specific DS1 or E1 channel has a remote loopback alarm condition.		
Raising condition: (('Outstanding Alarms'anyBit'Far end wants the near end to loopback') AND ('Report Alarms'anyBit'Far end wants the near end to loopback'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Far end wants the near end to loopback') AND ('Report Alarms'anyBit'Far end wants the near end to loopback'))))		
Remedial action: Informational only.		

Table 16-94 DS1E1LossOfSignal

Alarm	Attributes	Applicable major NE releases
Name: DS1E1LossOfSignal (124) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: lossOfSignal (99)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an NE reports that a specific DS1 or E1 channel has an LOS alarm condition.		
Raising condition: (('Outstanding Alarms'anyBit'Loss of Signal') AND ('Report Alarms'anyBit'Loss of Signal'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Loss of Signal') AND ('Report Alarms'anyBit'Loss of Signal'))))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: Informational only.		

(2 of 2)

Table 16-95 DS1E1OutOfFrame

Alarm	Attributes	Applicable major NE releases
Name: DS1E1OutOfFrame (125) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: outOfFrame (100)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an NE reports that a specific DS1 or E1 channel has an OOF alarm condition.		
Raising condition: (('Outstanding Alarms'anyBit'Out Of Frame') AND ('Report Alarms'anyBit'Out Of Frame'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Out Of Frame') AND ('Report Alarms'anyBit'Out Of Frame'))		
Remedial action: Informational only.		

Table 16-96 DS1E1ResourceAvailabilityIndicator

Alarm	Attributes	Applicable major NE releases
Name: DS1E1ResourceAvailabilityIndicator (114) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: resourceAvailabilityIndicator (98)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an NE reports that a specific DS1 or E1 channel has an RAI alarm condition.		
Raising condition: (('Outstanding Alarms'anyBit'Resource Availability Indicator') AND ('Report Alarms'anyBit'Resource Availability Indicator'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Resource Availability Indicator') AND ('Report Alarms'anyBit'Resource Availability Indicator'))		
Remedial action: Informational only.		

Table 16-97 DS1E1SignalDegradation

Alarm	Attributes	Applicable major NE releases
Name: DS1E1SignalDegradation (500) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: signalDegradation (386)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an NE reports that a specific DS1 or E1 channel has an SD alarm condition.		
Raising condition: (('Outstanding Alarms'anyBit'Signal Degradation') AND ('Report Alarms'anyBit'Signal Degradation'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Signal Degradation') AND ('Report Alarms'anyBit'Signal Degradation'))))		
Remedial action: Informational only.		

Table 16-98 DS1E1SignalFailure

Alarm	Attributes	Applicable major NE releases
Name: DS1E1SignalFailure (501) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: signalFailure (387)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an NE reports that a specific DS1 or E1 channel has an SF alarm condition.		
Raising condition: (('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))))		
Remedial action: Informational only.		

Table 16-99 DS3E3AlarmIndicationSignal

Alarm	Attributes	Applicable major NE releases
Name: DS3E3AlarmIndicationSignal (115) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS3E3ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: alarmIndicationSignal (96)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an NE reports that a specific DS3 or E3 channel has an AIS alarm condition.		
Raising condition: (('Outstanding Alarms'anyBit'Alarm Indication Signal') AND ('Report Alarms'anyBit'Alarm Indication Signal'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Alarm Indication Signal') AND ('Report Alarms'anyBit'Alarm Indication Signal'))))		
Remedial action: Informational only.		

Table 16-100 DS3E3Looped

Alarm	Attributes	Applicable major NE releases
Name: DS3E3Looped (120) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS3E3ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: farEndLoopback (102)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an NE reports that a specific DS3 or E3 channel has a remote loopback alarm condition.		
Raising condition: (('Outstanding Alarms'anyBit'Far end wants the near end to loopback') AND ('Report Alarms'anyBit'Far end wants the near end to loopback'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'Far end wants the near end to loopback') AND ('Report Alarms'anyBit'Far end wants the near end to loopback'))		
Remedial action: Informational only.		

Table 16-101 DS3E3LossOfSignal

Alarm	Attributes	Applicable major NE releases
Name: DS3E3LossOfSignal (116) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS3E3ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: lossOfSignal (99)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an NE reports that a specific DS3 or E3 channel has an LOS alarm condition.		
Raising condition: (('Outstanding Alarms'anyBit'Loss of Signal') AND ('Report Alarms'anyBit'Loss of Signal'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'Loss of Signal') AND ('Report Alarms'anyBit'Loss of Signal'))		
Remedial action: Informational only.		

Table 16-102 DS3E3OutOfFrame

Alarm	Attributes	Applicable major NE releases
Name: DS3E3OutOfFrame (117) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS3E3ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: outOfFrame (100)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an NE reports that a specific DS3 or E3 channel has an OOF alarm condition.		
Raising condition: (('Outstanding Alarms'anyBit'Out Of Frame') AND ('Report Alarms'anyBit'Out Of Frame'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'Out Of Frame') AND ('Report Alarms'anyBit'Out Of Frame'))		
Remedial action: Informational only.		

Table 16-103 DS3E3ResourceAvailability

Alarm	Attributes	Applicable major NE releases
Name: DS3E3ResourceAvailability (119) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS3E3ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: resourceAvailabilityIndicator (98)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an NE reports that a specific DS3 or E3 channel has an RAI alarm condition.		
Raising condition: (('Outstanding Alarms'anyBit'Resource Availability Indicator') AND ('Report Alarms'anyBit'Resource Availability Indicator'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'Resource Availability Indicator') AND ('Report Alarms'anyBit'Resource Availability Indicator'))		
Remedial action: Informational only.		

Table 16-104 EfmOamAlarm

Alarm	Attributes	Applicable major NE releases
Name: EfmOamAlarm (4617) Type: equipmentAlarm (3) Package: ethernetequipment Raised on class: ethernetequipment.Dot3Oam	Severity: minor Implicitly cleared: true Default probable cause: EFMOAMOperationalstateOutOfService (1886)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when EFM Ignore status is Enabled, and Physical port Administrative State is Down.		
Raising condition: ('Ignore EFM State' EQUAL 'true')		
Clearing condition: ('Ignore EFM State' EQUAL 'true')		
Remedial action: The alarm is raised when EFM Ignore status is Enabled, and Physical port Administrative State is Down.		

Table 16-105 EquipmentAdministrativelyDown

Alarm	Attributes	Applicable major NE releases
Name: EquipmentAdministrativelyDown (455) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: minor Implicitly cleared: true Default probable cause: equipmentAdministrativelyDown (326)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentAdministrativelyDown.		
Raising condition: ('compositeEquipmentState' EQUAL 'Admin Down')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Admin Down')		
Remedial action: Informational - no corrective action required.		

Table 16-106 EquipmentDegraded

Alarm	Attributes	Applicable major NE releases
Name: EquipmentDegraded (604) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: minor Implicitly cleared: true Default probable cause: singleFanFailure (450)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a single fan fails. The chassis attempts to continue operating within the normal temperature range using only the remaining fans.		
Raising condition: ('Device State' EQUAL 'MinorFailure')		
Clearing condition: ('Device State' NOT EQUAL 'MinorFailure')		
Remedial action: The failed fan unit should be replaced.		

Table 16-107 EquipmentDown

Alarm	Attributes	Applicable major NE releases
Name: EquipmentDown (10) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: inoperableEquipment (8)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentOperationallyDown.		
Raising condition: ('compositeEquipmentState' EQUAL 'Oper Down')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Oper Down')		
Remedial action: This alarm indicates that a card in the NE has failed. The card must be replaced.		

Table 16-108 EquipmentFailure

Alarm	Attributes	Applicable major NE releases
Name: EquipmentFailure (145) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.ReplaceableUnit	Severity: critical Implicitly cleared: true Default probable cause: cardFailure (123)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a control processor or power-supply tray reports a failure. When the object type is ControlProcessor, a CPM may be unable to boot. When the object type is Power Supply Tray and the alarm is raised during device discovery, a power-supply tray may be out of service. When the object type is a Power Supply Tray and the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
Raising condition: ('operationalState' EQUAL 'Failed')		
Clearing condition: ('operationalState' NOT EQUAL 'Failed')		

(1 of 2)

16 – Alcatel-Lucent 7750 SR alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: If the alarm indicates that the CPM card has a fault, remove the card and reset it. If this does not clear the alarm then please contact Alcatel-Lucent support for assistance. If the alarm indicates that the Power Supply tray is out of service ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

(2 of 2)

Table 16-109 EquipmentInTest

Alarm	Attributes	Applicable major NE releases
Name: EquipmentInTest (11) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: warning Implicitly cleared: true Default probable cause: equipmentInTest (9)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when equipment enters a diagnostic state.		
Raising condition: ('compositeEquipmentState' EQUAL 'In Test')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'In Test')		
Remedial action: Informational - no corrective action required.		

Table 16-110 EquipmentMismatch

Alarm	Attributes	Applicable major NE releases
Name: EquipmentMismatch (9) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: equipmentTypeMismatch (7)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMismatch.		
Raising condition: ('compositeEquipmentState' EQUAL 'Type Mismatch')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Type Mismatch')		
Remedial action: A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

Table 16-111 EquipmentRemoved

Alarm	Attributes	Applicable major NE releases
Name: EquipmentRemoved (8) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: replaceableEquipmentRemoved (6)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMissing.		
Raising condition: (('compositeEquipmentState' EQUAL 'Removed') AND ('isEquipmentInserted' EQUAL 'true'))		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Removed')		
Remedial action: Informational - this alarm is raised when a card is removed.		

(2 of 2)

Table 16-112 EthCSF

Alarm	Attributes	Applicable major NE releases
Name: EthCSF (3721) Type: oamAlarm (18) Package: ethernetOam Raised on class: ethernetOam.Mep	Severity: variable Implicitly cleared: true Default probable cause: EthCSF (1459)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a MEP receives a CCM frame with an interface status TLV of 'Down'.		
Remedial action: This alarm is raised when a MEP receives a CCM frame with an interface status TLV of Down.		

Table 16-113 EthernetPortConfiguredLoopback

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortConfiguredLoopback (801) Type: configurationAlarm (11) Package: ethernetEquipment Raised on class: ethernetEquipment.EthernetPortSpecifics	Severity: warning Implicitly cleared: true Default probable cause: ethernetPortConfiguredLoopback (567)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a timed loopback is in effect for an Ethernet port.		
Raising condition: (('Type' NOT EQUAL 'None'))		
Clearing condition: (('Type' EQUAL 'None'))		
Remedial action: This alarm has been raised by the node because "Timed Loopback" option of the specific port's Ethernet property has been enabled. To resolve this problem from "Ethernet" tab of "Physical Port" properties form configure "Timed Loopback" Type property as "None".		

Table 16-114 EthernetPortDuplicateLane

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortDuplicateLane (3557) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: DuplicateLane (1387)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a device reports a Duplicate Lane on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 16-115 EthernetPortHighBer

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortHighBer (307) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a device reports a high bit-error rate on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))		
Remedial action: One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 16-116 EthernetPortLocalFault

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortLocalFault (305) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: LocalFault (236)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a device reports a local fault on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))))		
Remedial action: One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

(2 of 2)

Table 16-117 EthernetPortNoAmLock

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortNoAmLock (3558) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoAmLock (1388)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a device reports a No Am Lock on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 16-118 EthernetPortNoBlockLock

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortNoBlockLock (3559) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoBlockLock (1389)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a device reports a No Block Lock on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock'))))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 16-119 EthernetPortNoFrameLock

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortNoFrameLock (306) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoFrameLock (237)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a device reports No Frame Lock on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock'))		
Remedial action: One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 16-120 EthernetPortRemoteFault

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortRemoteFault (304) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: RemoteFault (235)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a device reports a remote fault on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault'))		
Remedial action: One of the following conditions exists on the remote physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 16-121 EthernetPortSignalFailure

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortSignalFailure (303) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: SignalFailure (234)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a device reports a signal failure on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))))		
Remedial action: One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

(2 of 2)

Table 16-122 ExternalTimingReferenceNotQualified

Alarm	Attributes	Applicable major NE releases
Name: ExternalTimingReferenceNotQualified (548) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: timingReferenceNotQualified (418)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the External timing reference on an NE is not in the Qualified state.		
Raising condition: (('Qualified For Use' EQUAL 'Not Qualified') AND ('Administrative State' NOT EQUAL 'Down'))		
Clearing condition: (('Qualified For Use' NOT EQUAL 'Not Qualified') OR ('Administrative State' EQUAL 'Down'))		
Remedial action: Informational		

Table 16-123 FanFailure

Alarm	Attributes	Applicable major NE releases
Name: FanFailure (624) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: fanFailure (116)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the associated fan is not operationally Up.		
Raising condition: (('Device State' EQUAL 'Failed') OR ('Device State' EQUAL 'Unknown') OR ('Device State' EQUAL 'OutOfservice'))		
Clearing condition: ('Device State' EQUAL 'OK')		
Remedial action: Remove and reset the fan unit. If this does not resolve the problem replace the fan.		

Table 16-124 FanTrayRemoved

Alarm	Attributes	Applicable major NE releases
Name: FanTrayRemoved (569) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: FanTrayRemoved (438)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the deviceState attribute has a value of deviceNotEquipped.		
Raising condition: ('Device State' EQUAL 'Not Equipped')		
Clearing condition: ('Device State' NOT EQUAL 'Not Equipped')		
Remedial action: Informational - a fan tray has been removed from the NE.		

Table 16-125 ForwardingTableSizeLimitReached

Alarm	Attributes	Applicable major NE releases
Name: ForwardingTableSizeLimitReached (164) Type: resourceAlarm (28) Package: I2fwd Raised on class: I2fwd.SiteFib	Severity: major Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the number of MAC address entries in the FIB reaches or exceeds the VPLS site high watermark specified by I2fwd.SiteFib.highWatermark. The alarm clears when the number of MAC address entries in the FIB drops below the VPLS site low watermark specified by I2fwd.SiteFib.lowWatermark. The alarm can be raised against a VPLS site, L2 access interface, or spoke SDP binding.		
Raising condition: (('Entries' >= 'Size') OR ('Entries' >= (('High Watermark' * 'Size') / 100.0)))		
Clearing condition: (('Entries' < 'Size') AND (('High Watermark' EQUAL '0L') OR ('Entries' < (('Low Watermark' * 'Size') / 100.0))) AND (('Low Watermark' EQUAL '0L') OR ('Entries' < (('Low Watermark' * 'Size') / 100.0)))		
Remedial action: Informational		

Table 16-126 FrameSizeProblem (netw)

Alarm	Attributes	Applicable major NE releases
Name: FrameSizeProblem (37) Type: configurationAlarm (11) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: frameSizeProblem (33)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a provisioned MTU size value is greater than the supported MTU size value.		
Raising condition: (('mtuMismatch' EQUAL 'true') AND ('portId' NOT EQUAL '0L'))		
Clearing condition: (('mtuMismatch' EQUAL 'false') OR ('portId' EQUAL '0L'))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: A configuration error has been made which must be corrected. The MTU value must be changed such that is less than or equal to the supported MTU size value.		

(2 of 2)

Table 16-127 FrameSizeProblem (svt)

Alarm	Attributes	Applicable major NE releases
Name: FrameSizeProblem (37) Type: configurationAlarm (11) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: frameSizeProblem (33)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a provisioned MTU size value is greater than the supported MTU size value.		
Raising condition: (('Operational State' EQUAL 'MTU Mismatch') OR ('Operational State' EQUAL 'Tunnel MTU Too Small'))		
Clearing condition: (('Operational State' NOT EQUAL 'MTU Mismatch') AND ('Operational State' NOT EQUAL 'Tunnel MTU Too Small'))		
Remedial action: The MTU value must be changed such that is is less than or equal to the supported MTU size value.		

Table 16-128 GaPeerDown

Alarm	Attributes	Applicable major NE releases
Name: GaPeerDown (3303) Type: EpcAlarm (59) Package: Iteggns Raised on class: Iteggns.GaPeer	Severity: major Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the path management state of a Ga peer changes to a state other than Up.		
Raising condition: ('Path Management State' NOT EQUAL 'Active')		
Clearing condition: ('Path Management State' EQUAL 'Active')		
Remedial action: A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

Table 16-129 GRE TunnelDown

Alarm	Attributes	Applicable major NE releases
Name: GRE TunnelDown (3326) Type: serviceAlarm (16) Package: svt Raised on class: svt.GRE Tunnel	Severity: major Implicitly cleared: true Default probable cause: tunnelDown (23)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the IP/GRE tunnel Operational State changes to Down and the Administrative State is Up.		
Raising condition: (('Operational State' NOT EQUAL 'Up') AND ('Administrative State' EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: The situation may occur if the underlying physical port is down either because of administrative disabling or a fault on the port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable.		

Table 16-130 GroupDown

Alarm	Attributes	Applicable major NE releases
Name: GroupDown (69) Type: ProtocolAlarm (1) Package: rip Raised on class: rip.Group	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a RIP group has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
Clearing condition: (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
Remedial action: The RIP Group is down while it is administratively up. Please check RIP related configuration e.g., the RIP is not shutdown.		

Table 16-131 GroupInterfaceDown

Alarm	Attributes	Applicable major NE releases
Name: GroupInterfaceDown (441) Type: GroupInterfaceAlarm (44) Package: service Raised on class: service.GroupInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the 5620 SAM detects that a group interface is operationally down. The alarm clears when the group interface is operationally up.		
Raising condition: ('operationalState' NOT EQUAL 'Up')		
Clearing condition: ('operationalState' EQUAL 'Up')		
Remedial action: Check the configuration and the underlying physical interface.		

Table 16-132 IGHMisconfigured

Alarm	Attributes	Applicable major NE releases
Name: IGHMisconfigured (827) Type: ighAlarm (74) Package: igh Raised on class: igh.InterfaceGroupHandler	Severity: major Implicitly cleared: true Default probable cause: IGHProtocolMismatch (590)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the IGH is administratively up but none of the IGH protocols is operationally up.		
Raising condition: (('igh_misconfigured' EQUAL '\yes\') AND ('Administrative State' EQUAL 'Up'))		
Clearing condition: (('igh_misconfigured' NOT EQUAL '\yes\') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: Please check the configuration.		

Table 16-133 IgmpDown

Alarm	Attributes	Applicable major NE releases
Name: IgmpDown (158) Type: ProtocolAlarm (1) Package: igmp Raised on class: igmp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an IGMP site has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: While configured under VPRN, check if VPRN site is admin down, or if route distinguisher is not configured.		

Table 16-134 IgmpMaxGrpSrcsLimitExceeded

Alarm	Attributes	Applicable major NE releases
Name: IgmpMaxGrpSrcsLimitExceeded (4624) Type: configurationAlarm (11) Package: igmp Raised on class: igmp.Interface	Severity: major Implicitly cleared: false Default probable cause: IgmpMaxGrpSrcsLimitExceeded (1892)	<ul style="list-style-type: none"> • 11.0 • 12.0
Description: The alarm is raised when an attempt is made to configure an IGMP group source for a group when the number of group sources for this group is equal to 'maxGrpSources', the maximum number of group sources per group supported on the interface.		
Remedial action: Needs to increase 'maxGrpSources' value to allow more sources on this interface.		

Table 16-135 IgmpMaxSrcsLimitExceeded

Alarm	Attributes	Applicable major NE releases
Name: IgmpMaxSrcsLimitExceeded (3742) Type: configurationAlarm (11) Package: igmp Raised on class: igmp.Interface	Severity: major Implicitly cleared: false Default probable cause: IgmpMaxSrcsLimitExceeded (1477)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0
Description: The alarm is raised when an attempt is made to configure an IGMP source for a group when the number of sources for this group is equal to 'maxSources', the maximum number of sources per group supported on the interface.		
Remedial action: Needs to increase 'maxSources' value to allow more sources on this interface.		

Table 16-136 IncompleteConfig (multichassis)

Alarm	Attributes	Applicable major NE releases
Name: IncompleteConfig (294) Type: configurationAlarm (11) Package: multichassis Raised on classes: <ul style="list-style-type: none"> • multichassis.MultiChassisSync • multichassis.MultiChassisLagMember 	Severity: major Implicitly cleared: true Default probable cause: incompleteConfig (225)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a peer configuration cannot be found on the peer NE.		
Raising condition: ('mcLagPointer' EQUAL '\')		
Clearing condition: ('mcLagPointer' NOT EQUAL '\')		
Remedial action: Configure the missing peered object.		

Table 16-137 IncompleteConfiguration

Alarm	Attributes	Applicable major NE releases
Name: IncompleteConfiguration (1942) Type: operationalViolation (93) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: incompleteConfig (225)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a pre-provisioned NE has no objects configured beneath it.		
Raising condition: (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' EQUAL '\'))		
Clearing condition: (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' NOT EQUAL '\'))		
Remedial action: A configuration error has been made which must be corrected. The configuration of the pre-provisioned NE is incomplete. A work order was not associated with the pre-provisioned NE and as a consequence the attempt to auto-configure the NE failed.		

Table 16-138 IncorrectEndPointPeerConfig

Alarm	Attributes	Applicable major NE releases
Name: IncorrectEndPointPeerConfig (1068) Type: configurationAlarm (11) Package: multichassis Raised on class: multichassis.MultiChassisEndpoint	Severity: major Implicitly cleared: true Default probable cause: incompleteEPPeerConfig (810)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a peer configuration cannot be found on the peer NE.		
Raising condition: ('MC EndPoint Group Pointer' EQUAL '\')		
Clearing condition: ('MC EndPoint Group Pointer' NOT EQUAL '\')		
Remedial action: The peered object cannot be found on the peer NE. Either delete this one, or create the missing peer object.		

Table 16-139 IncorrectNeighborConfig

Alarm	Attributes	Applicable major NE releases
Name: IncorrectNeighborConfig (609) Type: configurationAlarm (11) Package: aps Raised on class: aps.ApsGroup	Severity: major Implicitly cleared: true Default probable cause: incorrectNeighborConfig (452)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the peer does not exist or the neighbor address does not point to a network interface on the NE that contains the peer object.		
Raising condition: (('Type' EQUAL 'MultiChassis') AND ('Neighbor match' EQUAL 'false'))		
Clearing condition: (('Type' EQUAL 'SingleChassis') OR ('Neighbor match' EQUAL 'true'))		
Remedial action: Make sure a peer exist and the neighbor address points to a network interface on the NE that contains the peer object.		

Table 16-140 IncorrectPeerConfig

Alarm	Attributes	Applicable major NE releases
Name: IncorrectPeerConfig (779) Type: configurationAlarm (11) Package: multichassis Raised on class: multichassis.AbstractPeer	Severity: major Implicitly cleared: true Default probable cause: IncorrectPeerConfig (554)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an MC peer does not exist, or when an MC peer exists but the peer address is not the address of a network interface on the peer.		
Raising condition: ('peerMatchFound' EQUAL 'false')		
Clearing condition: ('peerMatchFound' EQUAL 'true')		
Remedial action: The peer configuration cannot be found on the peer NE. Either delete this one, or create the missing peer object.		

Table 16-141 IncorrectPeerSynchronizationPortConfig

Alarm	Attributes	Applicable major NE releases
Name: IncorrectPeerSynchronizationPortConfig (780) Type: configurationAlarm (11) Package: multichassis Raised on class: multichassis.PeerSynchronizationPort	Severity: major Implicitly cleared: true Default probable cause: IncorrectPeerSynchronizationPortConfig (555)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the peer port does not exist, or when the peer port exists but the synchronization tags of the peers do not match.		
Raising condition: ('peerMatchFound' EQUAL 'false')		
Clearing condition: ('peerMatchFound' EQUAL 'true')		
Remedial action: Check if the peer port does not exist, or the peer port exists but the synchronization tags do not match.		

Table 16-142 IncorrectPeerSynchronizationPortEncapRangeConfig

Alarm	Attributes	Applicable major NE releases
Name: IncorrectPeerSynchronizationPortEncapRangeConfig (781) Type: configurationAlarm (11) Package: multichassis Raised on class: multichassis.PeerSynchronizationPortEncapRange	Severity: major Implicitly cleared: true Default probable cause: IncorrectPeerSynchronizationPortEncapRangeConfig (556)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the VLAN ranges on the Multi-Chassis synchronization peers do not match.		
Raising condition: ('Neighbor Match' EQUAL 'false')		
Clearing condition: ('Neighbor Match' EQUAL 'true')		
Remedial action: Update the VLAN ranges on the Multi-Chassis synchronization peers to make them matching.		

Table 16-143 InstanceDown (srrp)

Alarm	Attributes	Applicable major NE releases
Name: InstanceDown (284) Type: configurationAlarm (11) Package: srrp Raised on class: srrp.Instance	Severity: major Implicitly cleared: true Default probable cause: instanceDown (216)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the 5620 SAM detects that an SRRP instance is operationally down.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' EQUAL 'Initialize'))		
Clearing condition: (('Operational State' NOT EQUAL 'Initialize') OR ('Administrative State' NOT EQUAL 'Up'))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: Check the configuration of the instance		

(2 of 2)

Table 16-144 InstanceDown (vrrp)

Alarm	Attributes	Applicable major NE releases
Name: InstanceDown (284) Type: configurationAlarm (11) Package: vrrp Raised on class: vrrp.AbstractInstance	Severity: major Implicitly cleared: true Default probable cause: instanceDown (216)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the 5620 SAM detects that a VRRP instance is operationally down.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: Check the instance configuration		

Table 16-145 InterfaceDown (netw)

Alarm	Attributes	Applicable major NE releases
Name: InterfaceDown (36) Type: InterfaceAlarm (13) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an interface or underlying resource fails, as indicated by an interface compositeState attribute value of failed or underlyingResourceFailed.		
Raising condition: (('compositeState' EQUAL 'Inoperable') OR ('compositeState' EQUAL 'Underlying Resource Inoperable'))		
Clearing condition: (('compositeState' NOT EQUAL 'Inoperable') AND ('compositeState' NOT EQUAL 'Underlying Resource Inoperable'))		
Remedial action: A physical port (physical interface, LAG, channel) associated with the network interface is not operation. Ensure that the interface is cabled and that there isn't a configuration error (i.e. MTU size set incorrectly) on the interface. Once the issue w		

Table 16-146 InterfaceDown (service)

Alarm	Attributes	Applicable major NE releases
Name: InterfaceDown (36) Type: configurationAlarm (11) Package: service Raised on class: service.RedundantInterface	Severity: major Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the 5620 SAM detects that a redundant interface is operationally down.		
Raising condition: (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
Clearing condition: (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
Remedial action: A physical port (physical interface, LAG, channel) associated with the network interface in not operation. Ensure that the interface is cabled and that there isn't a configuration error (i.e. MTU size set incorrectly) on the interface. Once the issue w		

Table 16-147 InterfaceDown (vpls)

Alarm	Attributes	Applicable major NE releases
Name: InterfaceDown (36) Type: configurationAlarm (11) Package: vpls Raised on class: vpls.L2ManagementInterface	Severity: major Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an L2 management interface has an Operational State of Down, and the associated VPLS site has an Administrative State of Up.		
Raising condition: (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
Clearing condition: (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
Remedial action: The condition exists because the physical interface is down either because it is administratively disabled, faulty or a cabling fault has occurred. Ensure that the interface is administratively up. Check for a poor cable connection to the port or for a faulty cable/fiber. If neither appears to be the problem run diagnostics on the port to determine if it is faulty.		

Table 16-148 InterfaceDown (vprn)

Alarm	Attributes	Applicable major NE releases
Name: InterfaceDown (36) Type: configurationAlarm (11) Package: vprn Raised on class: vprn.IPMirrorInterface	Severity: major Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the 5620 SAM detects that an interface is operationally down.		
Raising condition: (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
Clearing condition: (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
Remedial action: A physical port (physical interface, LAG, channel) associated with the network interface in not operation. Ensure that the interface is cabled and that there isn't a configuration error (i.e. MTU size set incorrectly) on the interface. Once the issue w		

Table 16-149 InterfaceNeighborDown

Alarm	Attributes	Applicable major NE releases
Name: InterfaceNeighborDown (661) Type: NeighborDown (20) Package: ospf Raised on class: ospf.Interface	Severity: warning Implicitly cleared: true Default probable cause: NeighborDown (103)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an interface neighbor is operationally down.		
Raising condition: (('Neighbor Count' EQUAL '0L') AND ('interfaceClass' NOT EQUAL 'System') AND ('Passive' NOT EQUAL 'true'))		
Clearing condition: (('Neighbor Count' NOT EQUAL '0L') OR ('Passive' EQUAL 'true'))		
Remedial action: This alarm is raised when the OSPF interface neighbor is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 16-150 IPSecGatewayDown

Alarm	Attributes	Applicable major NE releases
Name: IPSecGatewayDown (830) Type: serviceAlarm (16) Package: ipsec Raised on class: ipsec.IPSecGateway	Severity: major Implicitly cleared: true Default probable cause: gatewayDown (592)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the Operational State of a SAP IPsec gateway changes to Down and the Administrative State is Up.		
Raising condition: (('Operational State' NOT EQUAL 'Up') AND ('Administrative State' EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: Fix the errors indicated in operational flag.		

Table 16-151 IPSEclsaGrpDown

Alarm	Attributes	Applicable major NE releases
Name: IPSEclsaGrpDown (3745) Type: equipmentAlarm (3) Package: isa Raised on class: isa.IPSEclsaGroup	Severity: major Implicitly cleared: true Default probable cause: IPSEclsaGrpDown (1480)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the Operational State of an ISA IPsec group is Down and the Administrative State is Up.		
Raising condition: (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
Clearing condition: (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: The operational state of the ISA-Tunnel Group is down, despite the administrative state being up. Check that the configured ISA-Tunnel Group Member MDA(s) are active and operationally up. There may be a fault with the ISA Application IPSec(Tunnel) Group.		

(2 of 2)

Table 16-152 IPSecTunnelBfdConnectionBroken

Alarm	Attributes	Applicable major NE releases
Name: IPSecTunnelBfdConnectionBroken (831) Type: serviceAlarm (16) Package: ipsec Raised on class: ipsec.IPSecTunnelBfd	Severity: minor Implicitly cleared: true Default probable cause: bfdSessionConnectionBroken (593)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the BFD connection to a peer times out.		
Raising condition: ('Operational State' EQUAL 'Timed Out')		
Clearing condition: ('Operational State' NOT EQUAL 'Timed Out')		
Remedial action: Check if the route to the BFD peer exist and is up.		

Table 16-153 IPSecTunnelBfdConnectionDown

Alarm	Attributes	Applicable major NE releases
Name: IPSecTunnelBfdConnectionDown (832) Type: serviceAlarm (16) Package: ipsec Raised on class: ipsec.IPSecTunnelBfd	Severity: minor Implicitly cleared: true Default probable cause: bfdSessionDown (346)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the Operational State of a BFD session is Not Connected.		
Raising condition: ('Operational State' NOT EQUAL 'Operational')		
Clearing condition: ('Operational State' EQUAL 'Operational')		
Remedial action: Check if the route to the BFD peer exist and is up.		

Table 16-154 IPSecTunnelBfdConnectionPeerDetectsDown

Alarm	Attributes	Applicable major NE releases
Name: IPSecTunnelBfdConnectionPeerDetectsDown (833) Type: serviceAlarm (16) Package: ipsec Raised on class: ipsec.IPSecTunnelBfd	Severity: minor Implicitly cleared: true Default probable cause: bfdSessionConnectionPeerDetectsDown (594)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when a BFD peer detects a connection timeout.		
Raising condition: ('Operational State' EQUAL 'Down')		
Clearing condition: ('Operational State' NOT EQUAL 'Down')		
Remedial action: Check if the route to the BFD peer exist and is up.		

(2 of 2)

Table 16-155 IPSecTunnelDown

Alarm	Attributes	Applicable major NE releases
Name: IPSecTunnelDown (834) Type: serviceAlarm (16) Package: ipsec Raised on class: ipsec.IPSecTunnel	Severity: major Implicitly cleared: true Default probable cause: tunnelDown (23)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the IPsec tunnel Operational State changes to Down and the Administrative State is Up.		
Raising condition: (('Operational State' NOT EQUAL 'Up') AND ('Administrative State' EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: Fix the errors indicated in operational flag.		

Table 16-156 IsaAaGrpDown

Alarm	Attributes	Applicable major NE releases
Name: IsaAaGrpDown (647) Type: equipmentAlarm (3) Package: isa Raised on class: isa.AaGroup	Severity: major Implicitly cleared: true Default probable cause: IsaAaGrpDown (482)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an ISA-AA group Operational State is Down, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: The operational state of the ISA-AA group is down, despite the administrative state being up. Check that the configured ISA-AA Group Member MDA(s) are active and operationally up. There may be a fault with the ISA Application Assurance MDA.		

Table 16-157 IsaAaSubUnassigned

Alarm	Attributes	Applicable major NE releases
Name: IsaAaSubUnassigned (836) Type: equipmentAlarm (3) Package: isa Raised on class: isa.AaGroup	Severity: warning Implicitly cleared: true Default probable cause: IsaAaSubUnassigned (596)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a subscriber cannot be assigned to an ISA-AA MDA in an AA group because of insufficient service queues, a high AA subscriber count, or a high AA subscriber statistics collection rate. The unassigned subscriber is treated as specified by the Operation Upon Failure parameter in the AA group. Recovery from this condition requires the removal and recreation of the AA subscriber when sufficient resources are available.		
Raising condition: (('Number of Unassigned ESM Subscribers' NOT EQUAL '0L') OR ('Number of Unassigned SAP Subscribers' NOT EQUAL '0L') OR ('Number of Unassigned Spoke SDP Subscribers' NOT EQUAL '0L'))		
Clearing condition: (('Number of Unassigned ESM Subscribers' EQUAL '0L') AND ('Number of Unassigned SAP Subscribers' EQUAL '0L') AND ('Number of Unassigned Spoke SDP Subscribers' EQUAL '0L'))		
Remedial action: The subscriber cannot be assigned to an ISA-AA MDA in an AA group because of insufficient service queues, a high AA subscriber count, or a high AA subscriber statistics collection rate. Remove and recreate the AA subscriber when sufficient resources are available.		

Table 16-158 IsaLnsGrpDown

Alarm	Attributes	Applicable major NE releases
Name: IsaLnsGrpDown (1119) Type: equipmentAlarm (3) Package: isa Raised on class: isa.LnsGroup	Severity: major Implicitly cleared: true Default probable cause: IsaLnsGrpDown (831)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the Operational State of an ISA-LNS group is Down and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: This alarm is caused by administrative shutdown or equipment failure of the MDA members. Review the status of the underlying ISA MDA group members and ensure they are operational.		

Table 16-159 IsaVideoGrpDown

Alarm	Attributes	Applicable major NE releases
Name: IsaVideoGrpDown (775) Type: equipmentAlarm (3) Package: isa Raised on class: isa.VideoGroup	Severity: major Implicitly cleared: true Default probable cause: IsaVideoGrpDown (550)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the Operational State of an ISA video group is Down and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: The operational state of the ISA-Video Group is down, despite the administrative state being up. Check that the configured ISA-Video Group Member MDA(s) are active and operationally up. There may be a fault with the ISA Application Video Group.		

(2 of 2)

Table 16-160 IsisAdjacencyDown

Alarm	Attributes	Applicable major NE releases
Name: IsisAdjacencyDown (153) Type: adjacencyAlarm (31) Package: isis Raised on class: isis.Interface	Severity: minor Implicitly cleared: true Default probable cause: IsisInterfaceDown (232)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an IS-IS interface has no adjacencies, for example, because the IS-IS protocol on the remote site is down.		
Raising condition: (('Adjacency Count' EQUAL '0L') AND ('interfaceClass' NOT EQUAL 'System') AND ('Passive' NOT EQUAL 'True'))		
Clearing condition: (('Adjacency Count' > '0L') OR ('Passive' EQUAL 'True'))		
Remedial action: Check remote site to see if corresponding IS-IS interface is configured and admin up.		

Table 16-161 IsisDown

Alarm	Attributes	Applicable major NE releases
Name: IsisDown (19) Type: ProtocolAlarm (1) Package: isis Raised on class: isis.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an IS-IS site has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: The protocol is not working anymore, could be a problem with IP addresses, resources on the device, ...		

Table 16-162 IsisInterfaceDown

Alarm	Attributes	Applicable major NE releases
Name: IsisInterfaceDown (301) Type: ProtocolAlarm (1) Package: isis Raised on class: isis.Interface	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an IS-IS interface has an Operational State other than Up.		
Raising condition: ('Operational State' EQUAL 'Down')		
Clearing condition: ('Operational State' NOT EQUAL 'Down')		
Remedial action: Check if underlying port is down, or associated network interface is down.		

Table 16-163 KeepAliveProblem

Alarm	Attributes	Applicable major NE releases
Name: KeepAliveProblem (100) Type: oamAlarm (18) Package: svt Raised on class: svt.Tunnel	Severity: warning Implicitly cleared: true Default probable cause: keepAliveFailed (86)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the 5620 SAM detects a keep-alive protocol status of senderIdInvalid or responderIdError.		
Raising condition: (('Keep-Alive State' NOT EQUAL 'Disabled') AND ('Keep-Alive State' NOT EQUAL 'Alive') AND ('Keep-Alive State' NOT EQUAL 'Unknown'))		
Clearing condition: (('Keep-Alive State' EQUAL 'Disabled') OR ('Keep-Alive State' EQUAL 'Alive') OR ('Keep-Alive State' EQUAL 'Unknown'))		
Remedial action: Check the configuration of this tunnel and underlying physical transport.		

Table 16-164 L2TPDown

Alarm	Attributes	Applicable major NE releases
Name: L2TPDown (841) Type: ProtocolAlarm (1) Package: l2tp Raised on class: l2tp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an L2TP site becomes administratively down. The alarm clears when the L2TP site becomes administratively up.		
Raising condition: ('Administrative State' EQUAL 'Down')		
Clearing condition: ('Administrative State' EQUAL 'Up')		
Remedial action: This alarm indicates that the L2TP protocol administrative state is down. It is cleared automatically when L2TP administrative state is up again. Please verify the L2TP configuration. This alarm can be safely suppressed if L2TP is not used.		

Table 16-165 LabelProblem

Alarm	Attributes	Applicable major NE releases
Name: LabelProblem (98) Type: CircuitAlarm (17) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: labelProblem (84)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an ingress or an egress label is missing.		
Raising condition: (('Operational State' EQUAL 'No Egress Label') OR ('Operational State' EQUAL 'No Ingress Label') OR ('Operational State' EQUAL 'No Labels'))		
Clearing condition: (('Operational State' NOT EQUAL 'No Egress Label') AND ('Operational State' NOT EQUAL 'No Ingress Label') AND ('Operational State' NOT EQUAL 'No Labels'))		
Remedial action: An ingress or egress label is missing for the SDP binding.		

Table 16-166 LagDown

Alarm	Attributes	Applicable major NE releases
Name: LagDown (20) Type: equipmentAlarm (3) Package: lag Raised on class: lag.Interface	Severity: critical Implicitly cleared: true Default probable cause: lagDown (17)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when all ports in a LAG are operationally down.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
Clearing condition: (('operationalState' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: This alarm indicates that all physical Ethernet links associated with a LAG are operationally down. The reasons for the links to be down may vary from link to link. The following possible causes of this alarm should be investigated. The physical port (near end or far end may have failed - this can be remedied by replacing the interface card in question. The physical links may have been turned down administratively - re-enable the links. A cable failure or disconnect may have occurred - please ensure that the cables are properly connected to the physical port and and that the cable has not been damaged.		

Table 16-167 LagPortAddFailed

Alarm	Attributes	Applicable major NE releases
Name: LagPortAddFailed (422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: warning Implicitly cleared: true Default probable cause: linkDown (315)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the Lag Port Add function Fails.		
Raising condition: (('state' EQUAL 'Link Down') AND ('LAG ID' > '0'))		
Clearing condition: (('state' NOT EQUAL 'Link Down') OR ('LAG ID' EQUAL '0'))		

(1 of 2)

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

(2 of 2)

Table 16-168 LdpDown

Alarm	Attributes	Applicable major NE releases
Name: LdpDown (22) Type: ProtocolAlarm (1) Package: Idp Raised on class: Idp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an LDP site has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: Check operational state down reason and update accordingly.		

Table 16-169 LdpSessionNonexistent

Alarm	Attributes	Applicable major NE releases
Name: LdpSessionNonexistent (2954) Type: LdpSessionAlarm (101) Package: Idp Raised on class: Idp.Session	Severity: critical Implicitly cleared: true Default probable cause: LdpSessionDown (1149)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an LDP session is non-existent.		
Raising condition: ('Session State' EQUAL 'Non-existent')		
Clearing condition: ('Session State' EQUAL 'Operational')		
Remedial action: Please check the LDP session path to make sure all associated protocols/interfaces/connections are OK.		

Table 16-170 LdpTargetedPeerDown

Alarm	Attributes	Applicable major NE releases
Name: LdpTargetedPeerDown (23) Type: ProtocolAlarm (1) Package: Idp Raised on class: Idp.TargetedPeer	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an LDP targeted peer is operationally down.		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Raising condition: (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
Clearing condition: (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
Remedial action: Please check the route to LDP targeted peer to make sure all associated protocols/interfaces/connections are OK.		

(2 of 2)

Table 16-171 LicensedLimitExceeded

Alarm	Attributes	Applicable major NE releases
Name: LicensedLimitExceeded (127) Type: licensingAlarm (23) Package: security Raised on class: security.ProductLicense	Severity: critical Implicitly cleared: true Default probable cause: licensedLimitExceeded (106)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the license items in the network exceeds 100 percent of the license capacity.		
Raising condition: ('Exceeded' EQUAL 'true')		
Clearing condition: ('Exceeded' NOT EQUAL 'true')		
Remedial action: Informational - The number of SAM licenses purchased and available on the SAM server is insufficient as compared to the number of NEs/MDA/Cells under management in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

Table 16-172 LineAlarmIndicationSignal

Alarm	Attributes	Applicable major NE releases
Name: LineAlarmIndicationSignal (84) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: lineAlarmIndicationSignal (70)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a SONET port reports an LAIS error. The alarm corresponds to the lais alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'Line Alarm Indication Signal') AND ('Report Alarms'anyBit'Line Alarm Indication Signal'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Line Alarm Indication Signal') AND ('Report Alarms'anyBit'Line Alarm Indication Signal'))))		
Remedial action: Informational only.		

Table 16-173 LineErrorCondition

Alarm	Attributes	Applicable major NE releases
Name: LineErrorCondition (94) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: lineErrorCondition (80)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a SONET port reports a line error condition that a remote NE raises because of b1 errors received from the local NE. The alarm corresponds to the lrei alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'Line Error Condition') AND ('Report Alarms'anyBit'Line Error Condition'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Line Error Condition') AND ('Report Alarms'anyBit'Line Error Condition'))))		
Remedial action: Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 16-174 LineRemoteDefectIndication

Alarm	Attributes	Applicable major NE releases
Name: LineRemoteDefectIndication (85) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: lineRemoteDefectIndication (71)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a SONET port reports a line remote defect indication error caused by an LOF, LOC, or LOS condition. The alarm corresponds to the lrdi alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'Line Remote Defect Indication') AND ('Report Alarms'anyBit'Line Remote Defect Indication'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Line Remote Defect Indication') AND ('Report Alarms'anyBit'Line Remote Defect Indication'))))		
Remedial action: Informational only.		

Table 16-175 LinkDown

Alarm	Attributes	Applicable major NE releases
Name: LinkDown (12) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: portLinkProblem (10)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a port has no associated physical link or remote end point is operationally down.		
Raising condition: (('compositeEquipmentState' EQUAL 'Link Down') OR ('compositeEquipmentState' EQUAL 'Oper Down'))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: (('compositeEquipmentState' NOT EQUAL 'Link Down') AND ('compositeEquipmentState' NOT EQUAL 'Oper Down'))		
Remedial action: Please make sure that port has physical link and remote end point is operationally up.		

(2 of 2)

Table 16-176 LocalRncvOperDown

Alarm	Attributes	Applicable major NE releases
Name: LocalRncvOperDown (521) Type: redundancyAlarm (52) Package: multichassis Raised on class: multichassis.MultiChassisRingNode	Severity: major Implicitly cleared: true Default probable cause: localRncvDisconnected (396)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the local RNCV Operational State of a ring node is other than Connected or NotTested, which means that the ring node is not connected to the local MC ring group. The alarm clears when the ring node enters the Connected or NotTested state.		
Raising condition: (('Local Operational State' NOT EQUAL 'Connected') AND ('Local Operational State' NOT EQUAL 'Not Tested'))		
Clearing condition: (('Local Operational State' EQUAL 'Connected') OR ('Local Operational State' EQUAL 'Not Tested'))		
Remedial action: Make sure that ring node is properly connected to MC ring group.		

Table 16-177 LossOfClock (sonetequipment)

Alarm	Attributes	Applicable major NE releases
Name: LossOfClock (83) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: lossOfClock (69)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a SONET port reports an LOC condition, which causes the NE to set the port Operational State to Down.		
Raising condition: (('Outstanding Alarms'anyBit'Loss of Clock') AND ('Report Alarms'anyBit'Loss of Clock'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'Loss of Clock') AND ('Report Alarms'anyBit'Loss of Clock'))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected.		

Table 16-178 LowTemperatureDetected

Alarm	Attributes	Applicable major NE releases
Name: LowTemperatureDetected (1127) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOvercooled (838)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the chassis temperature falls below the minimum threshold.		
Raising condition: ('Low Temperature State' EQUAL 'Low')		
Clearing condition: ('Low Temperature State' NOT EQUAL 'Low')		
Remedial action: The NE has detected internal temperatures which are abnormally low. This may happen when the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 16-179 LspDown

Alarm	Attributes	Applicable major NE releases
Name: LspDown (25) Type: pathAlarm (12) Package: mpls Raised on class: mpls.Lsp	Severity: critical Implicitly cleared: true Default probable cause: lspDown (19)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the Operational State of an LSP is Down, but the Administrative State is Up.		
Raising condition: (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
Clearing condition: (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
Remedial action: So many things can cause LSP down, check if source and destination interfaces are down, LSP path is down and the failure code, or MPLS path is down...		

Table 16-180 LspPathBypassTunnelActive

Alarm	Attributes	Applicable major NE releases
Name: LspPathBypassTunnelActive (264) Type: pathAlarm (12) Package: mpls Raised on class: mpls.LspPath	Severity: warning Implicitly cleared: true Default probable cause: LspPathReroutedToBypassTunnel (197)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an LSP primary path is rerouted to the bypass tunnel. The alarm clears when the primary path returns to the original tunnel and the actual hop returns to the primary path.		
Raising condition: ('Bypass Tunnel Active' EQUAL 'true')		
Clearing condition: ('Bypass Tunnel Active' EQUAL 'false')		
Remedial action: There is a problem with the original path, check what is the problem and fix it if possible.		

Table 16-181 LspPathDown

Alarm	Attributes	Applicable major NE releases
Name: LspPathDown (26) Type: pathAlarm (12) Package: mpls Raised on class: mpls.LspPath	Severity: major Implicitly cleared: true Default probable cause: LspPathDown (20)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an LSP path is operationally down.		
Raising condition: (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up') AND ('Type' EQUAL 'Standby'))		
Clearing condition: (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up') OR ('Type' EQUAL 'Secondary'))		
Remedial action: Check the failure code and update accordingly, e.g. whether MPLS/RSVP interfaces, OSPF interfaces are down.		

Table 16-182 LSRPATHDown

Alarm	Attributes	Applicable major NE releases
Name: LSRPATHDown (4898) Type: pathAlarm (12) Package: mplstp Raised on class: mplstp.TPLSRPath	Severity: critical Implicitly cleared: true Default probable cause: LSRPATHDown (1955)	<ul style="list-style-type: none"> • 11.0 • 12.0
Description: The alarm is raised when the TP LSR Path Administrative State is Up and the Operational State is Down. The alarm clears when the TP LSR Path Operational State changes to Up or the Administrative State changes to Down.		
Raising condition: (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up'))		
Clearing condition: (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up'))		
Remedial action: The Operational state of the TP LSR Path is down, despite the Administrative state being up. Review the configuration and make sure that the Administrative state is up, the forward and reverse labels are set and the Out-Link interface is operationally up.		

Table 16-183 macMoveRateExceeded (service)

Alarm	Attributes	Applicable major NE releases
Name: macMoveRateExceeded (3690) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: minor Implicitly cleared: true Default probable cause: MacMoveRateExceeded (1429)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site.		
Raising condition: ('State Cause'anyBit'Relearn Limit Exceeded')		
Clearing condition: NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		
Remedial action: Informational.		

Table 16-184 macMoveRateExceeded (svt)

Alarm	Attributes	Applicable major NE releases
Name: macMoveRateExceeded (3690) Type: SpokeSdpBindingAlarm (104) Package: svt Raised on class: svt.SpokeSdpBinding	Severity: minor Implicitly cleared: true Default probable cause: MacMoveRateExceeded (1429)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the SDP exceeds the Service Site's MAC Move Frequency.		
Raising condition: ('operationalFlags'anyBit'Relearn Limit Exceeded')		
Clearing condition: NOT (('operationalFlags'anyBit'Relearn Limit Exceeded'))		
Remedial action: Check Service Site MAC move frequency or underlying physical link to understand issue.		

Table 16-185 macMoveRateExceededNonBlock (service)

Alarm	Attributes	Applicable major NE releases
Name: macMoveRateExceededNonBlock (4893) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: info Implicitly cleared: true Default probable cause: MacMoveRateExceededNonBlock (1951)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site when limitMacMove(sapTIsLimitMacMove) is set to 'nonBlocking'.		
Raising condition: ('State Cause'anyBit'Relearn Limit Exceeded')		
Clearing condition: NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		
Remedial action: Informational - User can adjust the value of 'MAC Move Maximum Rate' to reduce the frequency of this alarm.		

Table 16-186 macMoveRateExceededNonBlock (svt)

Alarm	Attributes	Applicable major NE releases
Name: macMoveRateExceededNonBlock (4893) Type: SpokeSdpBindingAlarm (104) Package: svt Raised on class: svt.SpokeSdpBinding	Severity: info Implicitly cleared: true Default probable cause: MacMoveRateExceededNonBlock (1951)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the SDP exceeds the Service Site's MAC Move Frequency even when limitMacMove(sdpBindTIsLimitMacMove) is set to 'nonBlocking'.		
Raising condition: ('operationalFlags'anyBit'Relearn Limit Exceeded')		
Clearing condition: NOT (('operationalFlags'anyBit'Relearn Limit Exceeded'))		
Remedial action: Informational - User can adjust the value of 'MAC Move Maximum Rate' to reduce the frequency of this alarm.		

Table 16-187 McIPsecPeerTunnelGroupMissing

Alarm	Attributes	Applicable major NE releases
Name: McIPsecPeerTunnelGroupMissing (4815) Type: configurationAlarm (11) Package: multichassis Raised on class: multichassis.McPeerIPSecTunnelGroup	Severity: major Implicitly cleared: true Default probable cause: IncompleteConfig (557)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0
Description: The alarm is raised when the 5620 SAM cannot find the peer MC IPsec tunnel group. This can be either the peer tunnel group is misconfigured or the local peer group ID is not configured.		
Raising condition: ('peerTunnelGroupPointer' EQUAL '\')		
Clearing condition: ('peerTunnelGroupPointer' NOT EQUAL '\')		
Remedial action: Configure the missing peered MC IPsec tunnel group or check the local tunnel group's peer group ID has been configured, or delete this one if it is not used.		

Table 16-188 McIPsecTunnelGroupDown

Alarm	Attributes	Applicable major NE releases
Name: McIPsecTunnelGroupDown (4816) Type: redundancyAlarm (52) Package: multichassis Raised on class: multichassis.McPeerIPSecTunnelGroup	Severity: major Implicitly cleared: true Default probable cause: ipsecTunnelGroupDown (1901)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0
Description: The alarm is raised when a MC IPsec tunnel group is operationally down while it is administratively up.		
Raising condition: (('Operational State' NOT EQUAL 'Up') AND ('Administrative State' EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: Check if the physical ISA IPsec Tunnel Group or the associated MDA is operationally down.		

Table 16-189 MCLagDown (lag)

Alarm	Attributes	Applicable major NE releases
Name: MCLagDown (394) Type: equipmentAlarm (3) Package: lag Raised on class: lag.MultiChassisLagSpecifics	Severity: critical Implicitly cleared: true Default probable cause: mcLagDown (295)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when all ports in an MC LAG are operationally down.		
Raising condition: (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
Clearing condition: (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		

(1 of 2)

16 – Alcatel-Lucent 7750 SR alarms

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

(2 of 2)

Table 16-190 MCLagDown (multichassis)

Alarm	Attributes	Applicable major NE releases
Name: MCLagDown (394) Type: equipmentAlarm (3) Package: multichassis Raised on class: multichassis.MultiChassisLagPeerSpecifics	Severity: critical Implicitly cleared: true Default probable cause: mCLagDown (295)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when all ports in an MC LAG are operationally Down.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: This alarm indicates that all physical Ethernet links associated with a LAG are operationally down. The reasons for the links to be down may vary from link to link. The following possible causes of this alarm should be investigated. The physical port (near end or far end may have failed - this can be remedied by replacing the interface card in question. The physical links may have been turned down administratively - re-enable the links. A cable failure or disconnect may have occurred - please ensure that the cables are properly connected to the physical port and and that the cable has not been damaged.		

Table 16-191 MCPeerEPDown

Alarm	Attributes	Applicable major NE releases
Name: MCPeerEPDown (1069) Type: equipmentAlarm (3) Package: multichassis Raised on class: multichassis.MultiChassisEndpoint	Severity: critical Implicitly cleared: true Default probable cause: MCPeerEPDown (811)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an MC endpoint is operationally down.		
Raising condition: (('Operational State' NOT EQUAL 'Up') AND ('Administrative State' EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: Bring up the all End Point Members.		

Table 16-192 MepAISReceivedAlarm

Alarm	Attributes	Applicable major NE releases
Name: MepAISReceivedAlarm (2945) Type: oamAlarm (18) Package: ethernetOam Raised on class: ethernetOam.Mep	Severity: variable Implicitly cleared: true Default probable cause: missingRemoteMep (388)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a MEP Receives AIS test frames from one or more of its sub-layer MEPs.		
Raising condition: (('AIS Received (AisRx)' EQUAL 'true') AND ('Facility VLAN ID' EQUAL '0'))		
Clearing condition: ('AIS Received (AisRx)' EQUAL 'false')		
Remedial action: This alarm indicates that it has received a MEP fault from a sub-layer MEP, user should investigate the fault cause on the sub-layer MEP and resolve this root cause issue.		

Table 16-193 MigrationCompleted

Alarm	Attributes	Applicable major NE releases
Name: MigrationCompleted (753) Type: migrationComplete (62) Package: equipment Raised on class: equipment.NeCardSwapTask	Severity: info Implicitly cleared: false Default probable cause: migrationComplete (529)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a card migration event completes.		
Raising condition: ('Status' EQUAL 'Migration completed')		
Remedial action: Informational - no corrective action required.		

Table 16-194 MigrationFailed

Alarm	Attributes	Applicable major NE releases
Name: MigrationFailed (754) Type: migrationFailure (63) Package: equipment Raised on class: equipment.NeCardSwapTask	Severity: major Implicitly cleared: false Default probable cause: migrationFailure (530)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a card migration event fails.		
Raising condition: (('Status' EQUAL 'Failed - Latest configuration not available') OR ('Status' EQUAL 'Failed - Unable to migrate configuration') OR ('Status' EQUAL 'Failed - Unable to transfer migrated configuration') OR ('Status' EQUAL 'Failed - Unable to reboot network element'))		
Remedial action: This alarm is raised when a card migration fails. The operation has failed for one of the following reasons - a configuration backu could not be created, the configuration transfer failed or the attempt to reboot the card failed. Please re-attempt the migration. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 16-195 MissingLocalEntry

Alarm	Attributes	Applicable major NE releases
Name: MissingLocalEntry (291) Type: configurationAlarm (11) Package: l2fwd Raised on class: l2fwd.ServiceMacProtection	Severity: minor Implicitly cleared: true Default probable cause: Protected_Mac_Address_Not_Global (222)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a protected MAC address is not configured on all sites of a VPLS. This can occur if the protected MAC address is added or removed using a CLI.		
Raising condition: ('isEntryGlobal' EQUAL 'false')		
Clearing condition: ('isEntryGlobal' EQUAL 'true')		
Remedial action: Configure the 'Protected MAC Address' on all the VPLS sites.		

Table 16-196 MldDown

Alarm	Attributes	Applicable major NE releases
Name: MldDown (587) Type: ProtocolAlarm (1) Package: mld Raised on class: mld.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an MLD site has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: Check the base router and system are configured correctly.		

Table 16-197 MldMaxGrpSrcsLimitExceeded

Alarm	Attributes	Applicable major NE releases
Name: MldMaxGrpSrcsLimitExceeded (5395) Type: configurationAlarm (11) Package: mld Raised on class: mld.Interface	Severity: major Implicitly cleared: false Default probable cause: MldMaxGrpSrcsLimitExceeded (2110)	<ul style="list-style-type: none"> • 11.0 • 12.0
Description: The alarm is raised when an attempt is made to configure an MLD group source for a group when the number of group sources for this group is equal to 'maxGrpSources', the maximum number of group sources per group supported on the interface.		
Remedial action: Increase the value of the 'Maximum Number of Group Sources' attribute in the parent MLD interface so that the number of active MLD group sources stays under the configured threshold.		

Table 16-198 MldMaxSrcsLimitExceeded

Alarm	Attributes	Applicable major NE releases
Name: MldMaxSrcsLimitExceeded (5396) Type: configurationAlarm (11) Package: mld Raised on class: mld.Interface	Severity: major Implicitly cleared: false Default probable cause: MldMaxSrcsLimitExceeded (2111)	<ul style="list-style-type: none"> 12.0
Description: The alarm is raised when an attempt is made to configure an MLD source for a group when the number of sources for this group is equal to 'maxSources', the Maximum Number of Sources per group supported on the interface.		
Remedial action: Increase 'Maximum Number Of Sources' value to allow more sources on this interface.		

Table 16-199 MobileConnectorDown

Alarm	Attributes	Applicable major NE releases
Name: MobileConnectorDown (1064) Type: EpcAlarm (59) Package: Iteservice Raised on class: Iteservice.MobileServiceConnector	Severity: minor Implicitly cleared: true Default probable cause: EpcDown (519)	<ul style="list-style-type: none"> 10.0 11.0 12.0 9.0
Description: The alarm is raised when the 5620 SAM no longer manages the EPS path instance of this mobile service site. As a result, the service must be regenerated.		
Raising condition: ('EPS Path' EQUAL '\')		
Clearing condition: ('EPS Path' NOT EQUAL '\')		
Remedial action: The underlying transport network has gone down resulting in the deletion of a mobile service connector (EPS path). Correct the issue with the transport network and regenerate the mobile service connector by clicking on the re-calculate button on the mobile service properties form.		

Table 16-200 MplsDown

Alarm	Attributes	Applicable major NE releases
Name: MplsDown (27) Type: ProtocolAlarm (1) Package: mpls Raised on class: mpls.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> 10.0 11.0 12.0 9.0
Description: The alarm is raised when an MPLS site has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: Check operational down reason and update accordingly.		

Table 16-201 MplsPathUpdateFailed

Alarm	Attributes	Applicable major NE releases
Name: MplsPathUpdateFailed (1066) Type: pathAlarm (12) Package: mpls Raised on class: mpls.LspPath	Severity: major Implicitly cleared: true Default probable cause: mbbRetryExceeded (804) Applicable probable causes: <ul style="list-style-type: none"> • mbbRetryExceeded • lspPathGoingDown • startingHighPriMbb • restartingMbb • highPriMbbInProg 	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an MPLS path update fails because of an MBB problem. The alarm clears when the MBB status changes to Successful.		
Raising condition: (('mbbStatus' NOT EQUAL 'None') AND ('mbbStatus' NOT EQUAL 'Successful'))		
Clearing condition: (('Last Performed State' EQUAL 'Success') OR ('Administrative' EQUAL 'Down') OR (('Operational' EQUAL 'Up') AND ('Last Performed State' EQUAL 'None')))		
Remedial action: Based on the probable cause, change the parameters and update the path again.		

Table 16-202 MrpAttrTblSizeLimitReached

Alarm	Attributes	Applicable major NE releases
Name: MrpAttrTblSizeLimitReached (574) Type: resourceAlarm (28) Package: l2fwd Raised on class: l2fwd.SiteMrp	Severity: major Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the number of MRP attribute table entries for a service site exceeds the high watermark specified by l2fwd.SiteMrp.mrpAttrTblHighWatermark. The alarm clears when the number of MRP attribute table entries for the site drops below the low watermark specified by l2fwd.SiteMrp.mrpAttrTblLowWatermark.		
Raising condition: (('MRP Attribute Count' >= 'MRP Max Attributes') OR ('MRP Attribute Count' >= (('MRP Attribute-Table-High-Watermark' * 'MRP Max Attributes') / 100.0)))		
Clearing condition: (('MRP Attribute Count' < 'MRP Max Attributes') AND (('MRP Attribute-Table-High-Watermark' EQUAL '0') OR ('MRP Attribute Count' < (('MRP Attribute-Table-Low-Watermark' * 'MRP Max Attributes') / 100.0))) AND (('MRP Attribute-Table-Low-Watermark' EQUAL '0') OR ('MRP Attribute Count' < (('MRP Attribute-Table-Low-Watermark' * 'MRP Max Attributes') / 100.0)))		
Remedial action: Informational		

Table 16-203 MsdpDown

Alarm	Attributes	Applicable major NE releases
Name: MsdpDown (353) Type: ProtocolAlarm (1) Package: msdp Raised on class: msdp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an MSDP site is administratively down. The alarm clears when the site is administratively up.		
Raising condition: (('Administrative State' EQUAL 'Down'))		
Clearing condition: (('Administrative State' NOT EQUAL 'Down'))		
Remedial action: Turn up the MSDP site.		

Table 16-204 MsPwFecRetryExpired

Alarm	Attributes	Applicable major NE releases
Name: MsPwFecRetryExpired (3694) Type: serviceAlarm (16) Package: svt Raised on class: svt.SpokeSdpFec	Severity: minor Implicitly cleared: true Default probable cause: msPwFecRetryExpired (1433)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a trap is received because of retry expired. The alarm is cleared when the retry starts again.		
Raising condition: ('Retry Expired' EQUAL 'true')		
Clearing condition: ('Retry Expired' EQUAL 'false')		
Remedial action: May need to shutdown the multi-segment pseudo-wire provider edge to restart the retries.		

Table 16-205 MultiChassisRingDown

Alarm	Attributes	Applicable major NE releases
Name: MultiChassisRingDown (520) Type: redundancyAlarm (52) Package: multichassis Raised on class: multichassis.MultiChassisRing	Severity: major Implicitly cleared: true Default probable cause: ringDown (395)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a MC ring group Operational State is not in the Connected state. The alarm is cleared when the ring group enters the Connected state.		
Raising condition: ('Operational State' NOT EQUAL 'Connected')		
Clearing condition: ('Operational State' EQUAL 'Connected')		
Remedial action: Check if MC ring is admin down, MC Sync is operational up, In-Band Control Connection is up, ring node is up ...		

Table 16-206 MvrConfiguredFromVplsNotExist

Alarm	Attributes	Applicable major NE releases
Name: MvrConfiguredFromVplsNotExist (219) Type: configurationAlarm (11) Package: vpls Raised on classes: <ul style="list-style-type: none"> vpls.L2AccessInterfaceMldMvrCfg vpls.L2AccessInterfaceMvrCfg 	Severity: warning Implicitly cleared: true Default probable cause: MvrConfiguredFromVplsNotExist (164)	<ul style="list-style-type: none"> 10.0 11.0 12.0 9.0
Description: The alarm is raised when an MVR source is an MVR VPLS that does not exist. The alarm clears when the MVR VPLS is created.		
Raising condition: ('fromVplsExists' EQUAL 'false')		
Clearing condition: (('fromVplsExists' EQUAL 'true') OR ('fromVplsId' EQUAL '0L'))		
Remedial action: Create the missing MVR VPLS.		

Table 16-207 MvrConfiguredProxySapNotExist

Alarm	Attributes	Applicable major NE releases
Name: MvrConfiguredProxySapNotExist (220) Type: configurationAlarm (11) Package: vpls Raised on classes: <ul style="list-style-type: none"> vpls.L2AccessInterfaceMldMvrCfg vpls.L2AccessInterfaceMvrCfg 	Severity: warning Implicitly cleared: true Default probable cause: MvrConfiguredProxySapNotExist (165)	<ul style="list-style-type: none"> 10.0 11.0 12.0 9.0
Description: The alarm is raised when a configured MVR proxy SAP does not exist. The alarm clears when the proxy SAP is created.		
Raising condition: ('proxySapExists' EQUAL 'false')		
Clearing condition: ('proxySapExists' EQUAL 'true')		
Remedial action: Create the missing proxy SAP.		

Table 16-208 MvrSiteDown

Alarm	Attributes	Applicable major NE releases
Name: MvrSiteDown (162) Type: ProtocolAlarm (1) Package: layer2 Raised on class: layer2.MvrSite	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> 10.0 11.0 12.0 9.0
Description: The alarm is raised when MVR is disabled on an NE and a TLS VLAN or MVR VLAN service is provisioned on the NE.		
Raising condition: ('MVR Admin Status' EQUAL 'Disabled')		
Clearing condition: ('MVR Admin Status' EQUAL 'Enabled')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: To clear the alarm, enable MVR Admin Status under the Bridge Instance.		

(2 of 2)

Table 16-209 NatDeterministicChange

Alarm	Attributes	Applicable major NE releases
Name: NatDeterministicChange (5122) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: minor Implicitly cleared: false Default probable cause: NatDeterministicMapChanged (2056)	<ul style="list-style-type: none"> • 11.0 • 12.0
Description: The alarm is raised when something changed in the Deterministic NAT map. Such a change may be caused by a modification of the Deterministic NAT Prefix or the Deterministic NAT Map.		
Remedial action: Managers that rely on the offline representation of the Deterministic NAT map should get an updated copy by saving the Deterministic NAT script.		

Table 16-210 NatIsaGrpDown

Alarm	Attributes	Applicable major NE releases
Name: NatIsaGrpDown (3887) Type: equipmentAlarm (3) Package: nat Raised on class: nat.NatIsaGroup	Severity: major Implicitly cleared: true Default probable cause: NatIsaGrpDown (1483)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the Operational State of an NAT ISA group is Down and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: The operational state of the ISA-NAT Group is down, despite the administrative state being up. Check that the configured ISA-NAT Group Member MDA(s) are active and operationally up. There may be a fault with the ISA Application NAT Group.		

Table 16-211 NatLsnSubscriberIcmpPortUsageHigh

Alarm	Attributes	Applicable major NE releases
Name: NatLsnSubscriberIcmpPortUsageHigh (4860) Type: thresholdCrossed (6) Package: nat Raised on class: nat.NatManager	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the ICMP port usage of a large-scale NAT subscriber reaches the high or low watermark.		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: Review the watermarks configuration to make sure it matches the capacity of your network. If required, deploy extra equipment to deal with the demand.		

(2 of 2)

Table 16-212 NatLsnSubscriberIcmpPortUsgHigh

Alarm	Attributes	Applicable major NE releases
Name: NatLsnSubscriberIcmpPortUsgHigh (5397) Type: thresholdCrossed (6) Package: nat Raised on class: nat.NatManager	Severity: warning Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the ICMP port usage of a large-scale NAT subscriber reaches the high or low watermark.		
Remedial action: Review the watermarks configuration to make sure it matches the capacity of your network. If required, deploy extra equipment to deal with the demand.		

Table 16-213 NatLsnSubscriberSessionUsageHigh

Alarm	Attributes	Applicable major NE releases
Name: NatLsnSubscriberSessionUsageHigh (4861) Type: thresholdCrossed (6) Package: nat Raised on class: nat.NatManager	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the session usage of a large-scale NAT subscriber reaches the high watermark. The alarm will be cleared when the session usage of a large-scale NAT subscriber reaches its low watermark again.		
Remedial action: Review the watermarks configuration to make sure it matches the capacity of your network.		

Table 16-214 NatLsnSubscriberSessionUsgHigh

Alarm	Attributes	Applicable major NE releases
Name: NatLsnSubscriberSessionUsgHigh (5398) Type: thresholdCrossed (6) Package: nat Raised on class: nat.NatManager	Severity: warning Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the session usage of a large-scale NAT subscriber reaches the high watermark. The alarm will be cleared when the session usage of a large-scale NAT subscriber reaches its low watermark again.		
Remedial action: Review the watermarks configuration to make sure it matches the capacity of your network.		

Table 16-215 NatLsnSubscriberTcpPortUsageHigh

Alarm	Attributes	Applicable major NE releases
Name: NatLsnSubscriberTcpPortUsageHigh (4862) Type: thresholdCrossed (6) Package: nat Raised on class: nat.NatManager	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the TCP port usage of a large-scale NAT subscriber reaches the high or low watermark.		
Remedial action: Review the watermarks configuration to make sure it matches the capacity of your network. If required, deploy extra equipment to deal with the demand.		

Table 16-216 NatLsnSubscriberTcpPortUsgHigh

Alarm	Attributes	Applicable major NE releases
Name: NatLsnSubscriberTcpPortUsgHigh (5399) Type: thresholdCrossed (6) Package: nat Raised on class: nat.NatManager	Severity: warning Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the TCP port usage of a large-scale NAT subscriber reaches the high or low watermark.		
Remedial action: Review the watermarks configuration to make sure it matches the capacity of your network. If required, deploy extra equipment to deal with the demand.		

Table 16-217 NatLsnSubscriberUdpPortUsageHigh

Alarm	Attributes	Applicable major NE releases
Name: NatLsnSubscriberUdpPortUsageHigh (4863) Type: thresholdCrossed (6) Package: nat Raised on class: nat.NatManager	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the UDP port usage of a large-scale NAT subscriber reaches the high or low watermark.		
Remedial action: Review the watermarks configuration to make sure it matches the capacity of your network. If required, deploy extra equipment to deal with the demand.		

Table 16-218 NatLsnSubscriberUdpPortUsghigh

Alarm	Attributes	Applicable major NE releases
Name: NatLsnSubscriberUdpPortUsghigh (5400) Type: thresholdCrossed (6) Package: nat Raised on class: nat.NatManager	Severity: warning Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the UDP port usage of a large-scale NAT subscriber reaches the high or low watermark.		
Remedial action: Review the watermarks configuration to make sure it matches the capacity of your network. If required, deploy extra equipment to deal with the demand.		

Table 16-219 NatMdaDetectsLoadSharingError

Alarm	Attributes	Applicable major NE releases
Name: NatMdaDetectsLoadSharingError (5120) Type: configurationAlarm (11) Package: nat Raised on class: nat.IsaMda	Severity: minor Implicitly cleared: false Default probable cause: NatMdaLoadSharingErrorDetected (2055)	<ul style="list-style-type: none"> • 11.0 • 12.0
Description: The alarm is raised when node is sending periodically at most every 10 seconds while a NAT ISA MDA detects that it is receiving packets erroneously, due to incorrect load-balancing by the ingress IOM. The MDA drops all incorrectly load-balanced traffic.		
Remedial action: The ingress IOM hardware does not support a particular NAT function's load-balancing, for example an IOM-2 does not support deterministic NAT. Upgrade the ingress IOM, or change the configuration.		

Table 16-220 NatPcpSrvStateDown

Alarm	Attributes	Applicable major NE releases
Name: NatPcpSrvStateDown (4382) Type: communicationsAlarm (4) Package: nat Raised on class: nat.PcpServer	Severity: major Implicitly cleared: true Default probable cause: NatPcpSrvStateDown (1566)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0
Description: The alarm is raised when the Operational State of an NAT PCP Server Changes		
Raising condition: (('Operational State' NOT EQUAL 'Up') AND ('Administrative State' EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: This alarm indicates the PCP Server Operational State is Down. Please check the State Description on the PCP server for detail information		

Table 16-221 NeighborDown

Alarm	Attributes	Applicable major NE releases
Name: NeighborDown (121) Type: NeighborDown (20) Package: ospf Raised on class: ospf.AbstractNeighbor	Severity: major Implicitly cleared: true Default probable cause: NeighborDown (103)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an OSPF interface neighbor is operationally Down.		
Raising condition: ('Operational State' NOT EQUAL 'full')		
Clearing condition: ('Operational State' EQUAL 'full')		
Remedial action: This alarm is raised when the OSPF interface neighbor is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 16-222 NeManagementAndTrapManagementMismatch

Alarm	Attributes	Applicable major NE releases
Name: NeManagementAndTrapManagementMismatch (1079) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: neManagementChange (817)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: This user-defined alarm is raised when the NE configuration is one of the following: - The Active Management IP is set to Out Of Band, and the Primary Route Preference is set to In Band. - The Active Management IP is set to In Band, and the Primary Route Preference is set to Out of Band.		
Raising condition: (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only'))) AND ('Primary Route Preference' EQUAL 'Out Of Band')) AND ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only'))) AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'Out Of Band'))		
Clearing condition: (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only'))) AND ('Primary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only'))) AND ('Primary Route Preference' EQUAL 'Out Of Band'))		
Remedial action: A configuration error has been made which must be corrected. The parameters described in the description for this alarm must match.		

Table 16-223 NewSsh2ServerKeyDetected

Alarm	Attributes	Applicable major NE releases
Name: NewSsh2ServerKeyDetected (285) Type: communicationsAlarm (4) Package: security Raised on class: security.KnownHostKey	Severity: warning Implicitly cleared: true Default probable cause: ssh2ServerKeyMismatch (217)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a 5620 SAM main server detects a new public SSH key.		
Raising condition: ('SSH2 Server Key Status' EQUAL 'Mismatch SSH2 Host Key')		
Clearing condition: ('SSH2 Server Key Status' EQUAL 'Active SSH2 Host Key')		
Remedial action: Informational - possible security breach. The SSH key of the router is different from the one known to the SAM server.		

Table 16-224 NodeDatabaseFallbackDetected

Alarm	Attributes	Applicable major NE releases
Name: NodeDatabaseFallbackDetected (2923) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseFallback (1121)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a configuration fallback is detected on the node and comes back up with a previous configuration. To correct this situation it might be necessary to reconfigure the node, or perform full resync its database with the 'fallback' configuration returned by the node.		
Raising condition: ('State' EQUAL 'Node Configuration Fallback')		
Clearing condition: ('State' EQUAL 'Managed')		
Remedial action: the NE has come back to a previous configuration. Perform a manual Full Resync or a Reconfigure of the NE		

Table 16-225 NodeDatabaseMisalignmentDetected

Alarm	Attributes	Applicable major NE releases
Name: NodeDatabaseMisalignmentDetected (2924) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseMisalignment (1122)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a configuration misalignment has been detected on the node and comes back up with an unexpected configuration (configuration change triggered by external tool) To correct this situation it might be necessary to reconfigure the node with the 5620 SAM's old configuration or accept the new configuration received from the node.		
Raising condition: ('State' EQUAL 'Node Configuration Misalignment')		
Clearing condition: ('State' EQUAL 'Managed')		
Remedial action: the NE configuration is misaligned. Perform a resync in order to update SAM configuration according to the NE.		

Table 16-226 NodeRebooted

Alarm	Attributes	Applicable major NE releases
Name: NodeRebooted (32) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: false Default probable cause: nodeReboot (25)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the 5620 SAM detects an NE reboot based on the latest NE sysUpTime value.		
Remedial action: Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 16-227 NodeSuspended

Alarm	Attributes	Applicable major NE releases
Name: NodeSuspended (5123) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: NodeSuspend (2057)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the 5620 SAM detects an NE moved to suspend state as per user request.		
Raising condition: ('SNMP Reachability' EQUAL 'Suspended')		
Clearing condition: ('SNMP Reachability' NOT EQUAL 'Suspended')		
Remedial action: This alarm is raised when user suspends the network element. The alarm will be cleared when the network element is managed back.		

Table 16-228 NoPeerMcRingFound

Alarm	Attributes	Applicable major NE releases
Name: NoPeerMcRingFound (782) Type: configurationAlarm (11) Package: multichassis Raised on class: multichassis.MultiChassisRing	Severity: major Implicitly cleared: true Default probable cause: IncompleteConfig (557)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the 5620 SAM cannot find the peer MC ring.		
Raising condition: ('Peer Multi-Chassis Ring' EQUAL '\')		
Clearing condition: ('Peer Multi-Chassis Ring' NOT EQUAL '\')		
Remedial action: Configure the missing peered MC ring, or delete this one if it is not used.		

Table 16-229 NTPOperDown

Alarm	Attributes	Applicable major NE releases
Name: NTPOperDown (4879) Type: communicationsAlarm (4) Package: ntp Raised on class: ntp.NTP	Severity: info Implicitly cleared: true Default probable cause: NTPOperDown (1943)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is generated when the NTP Operational State is down for NTP.		
Raising condition: (('Operational State' EQUAL 'Down') AND ('NTP State' EQUAL 'Enabled'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('NTP State' EQUAL 'Disabled'))		
Remedial action: Please check if NTP is administratively enabled (Admin State in NTP General Tab). If admin state down, enable it to make NTP operationally up.		

Table 16-230 ObsoleteProtocolInFilter

Alarm	Attributes	Applicable major NE releases
Name: ObsoleteProtocolInFilter (3706) Type: ConfigurationAlarm (15) Package: aapolicy Raised on class: aapolicy.ApplicationFilter	Severity: warning Implicitly cleared: false Default probable cause: obsoleteProtocolInFilter (1446)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0
Description: The alarm is raised when a local application filter refers to an obsolete application assurance protocol.		
Remedial action: Change the application filter configuration to use a protocol that is not Obsolete.		

Table 16-231 OFFlowEntryDeploymentCreateFailed

Alarm	Attributes	Applicable major NE releases
Name: OFFlowEntryDeploymentCreateFailed (5405) Type: processingErrorAlarm (81) Package: openflow Raised on class: openflow.OFAbstractFlowEntry	Severity: major Implicitly cleared: true Default probable cause: OFFlowEntryDeploymentCreateFailed (2113)	<ul style="list-style-type: none"> • 12.0
Description: The notification alarm is raised when the flow entry deployment create has failed.		
Raising condition: (('Deployment Status' EQUAL 'Creation Failed'))		
Clearing condition: (('Deployment Status' NOT EQUAL 'Creation Failed'))		
Remedial action: This alarm is raised when the OpenFlow switch rejects creation of the flow.		

Table 16-232 OFFlowEntryDeploymentDeleteFailed

Alarm	Attributes	Applicable major NE releases
Name: OFFlowEntryDeploymentDeleteFailed (5406) Type: processingErrorAlarm (81) Package: openflow Raised on class: openflow.OFAbstractFlowEntry	Severity: major Implicitly cleared: true Default probable cause: OFFlowEntryDeploymentDeleteFailed (2114)	<ul style="list-style-type: none"> 12.0
Description: The notification alarm is raised when the flow entry deployment create has failed.		
Raising condition: (('Deployment Status' EQUAL 'Deletion Failed'))		
Clearing condition: (('Deployment Status' NOT EQUAL 'Deletion Failed'))		
Remedial action: This alarm is raised when the OpenFlow switch rejects deletion of the flow.		

Table 16-233 OFLogicalPortStatusMplsTpNotSet

Alarm	Attributes	Applicable major NE releases
Name: OFLogicalPortStatusMplsTpNotSet (5407) Type: equipmentAlarm (3) Package: openflow Raised on class: openflow.OFSwitch	Severity: major Implicitly cleared: true Default probable cause: OFLogicalPortStatusMplsTpNotSet (2115)	<ul style="list-style-type: none"> 12.0
Description: The alarm is raised when the MPLS-TP flag is not set in the Logical Port Status.		
Raising condition: (('Logical Port Status' EQUAL '0L') OR ('Logical Port Status' EQUAL 'rsvp-te'))		
Clearing condition: (('Logical Port Status' NOT EQUAL '0L') AND ('Logical Port Status' NOT EQUAL 'rsvp-te'))		
Remedial action: When MPLS-TP is not set, OpenFlow port status will not be received by SAM.		

Table 16-234 OFLogicalPortStatusRsvpTeNotSet

Alarm	Attributes	Applicable major NE releases
Name: OFLogicalPortStatusRsvpTeNotSet (5408) Type: equipmentAlarm (3) Package: openflow Raised on class: openflow.OFSwitch	Severity: major Implicitly cleared: true Default probable cause: OFLogicalPortStatusRsvpTeNotSet (2116)	<ul style="list-style-type: none"> 12.0
Description: The alarm is raised when the RSVP-TE flag is not set in the Logical Port Status.		
Raising condition: (('Logical Port Status' EQUAL '0L') OR ('Logical Port Status' EQUAL 'mpls-tp'))		
Clearing condition: (('Logical Port Status' NOT EQUAL '0L') AND ('Logical Port Status' NOT EQUAL 'mpls-tp'))		
Remedial action: When RSVP-TE is not set, OpenFlow port status will not be received by SAM.		

Table 16-235 OFSwitchDown

Alarm	Attributes	Applicable major NE releases
Name: OFSwitchDown (5409) Type: equipmentAlarm (3) Package: openflow Raised on class: openflow.OFSwitch	Severity: major Implicitly cleared: true Default probable cause: OFSwitchDown (2117)	<ul style="list-style-type: none"> 12.0
Description: The alarm is raised when the Operational State of an OFSwitch is Down and the Administrative State is Up.		
Raising condition: (('Operational State' NOT EQUAL 'Up') AND ('Administrative State' EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: This alarm is raised when the OpenFlow switch has gone down.		

Table 16-236 OrphanNodeDetected

Alarm	Attributes	Applicable major NE releases
Name: OrphanNodeDetected (4866) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.AdvertisedNode	Severity: major Implicitly cleared: true Default probable cause: nodeNotManagedByAnyEms (1934)	<ul style="list-style-type: none"> 10.0 11.0 12.0 9.0
Description: The alarm is raised when node is node managed by any EMS after n retries(threshold crossed) it is manually cleared by the operator or when the node is discovered.		
Raising condition: ('state' EQUAL 'orphan')		
Remedial action: The NE is not managed by any SAM.Add an discory rule in order to managed it.		

Table 16-237 OspflInterfaceDown

Alarm	Attributes	Applicable major NE releases
Name: OspflInterfaceDown (141) Type: OspflInterfaceDown (24) Package: ospf Raised on class: ospf.Interface	Severity: warning Implicitly cleared: true Default probable cause: OspflInterfaceDown (112)	<ul style="list-style-type: none"> 10.0 11.0 12.0 9.0
Description: The alarm is raised when an OSPF interface is operationally down.		
Raising condition: ('operationalState' EQUAL 'Down')		
Clearing condition: ('operationalState' NOT EQUAL 'Down')		
Remedial action: This alarm is raised when the OSPF interface is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 16-238 OverTemperatureDetected

Alarm	Attributes	Applicable major NE releases
Name: OverTemperatureDetected (388) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the chassis temperature exceeds the maximum threshold value.		
Raising condition: ('Over Temperature State' EQUAL 'Over')		
Clearing condition: ('Over Temperature State' NOT EQUAL 'Over')		
Remedial action: The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 16-239 P2MPLSPDown

Alarm	Attributes	Applicable major NE releases
Name: P2MPLSPDown (4378) Type: pathAlarm (12) Package: mpls Raised on class: mpls.P2MPDynamicLsp	Severity: critical Implicitly cleared: true Default probable cause: P2MPLSPDown (1563)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the P2MP LSP Administrative State is Up and the Operational State is Down. The alarm clears when the P2MP LSP Operational State changes to Up or the Administrative State changes to Down.		
Raising condition: (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up'))		
Clearing condition: (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up'))		
Remedial action: The operational state of the P2MP LSP is down, despite the administrative state being up. Review the P2MP Primary Instance or S2LPath to make sure it was configured correctly and Administrative state is up. The physical port near end or far end may have failed - this can be remedied by replacing the interface card in question. The physical links may have been turned down administratively - re-enable the links. A cable failure or disconnect may have occurred - please ensure that the cables are properly connected to the physical port and and that the cable has not been damaged.		

Table 16-240 PartialResyncProblem

Alarm	Attributes	Applicable major NE releases
Name: PartialResyncProblem (4401) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: partialResyncProblem (1578)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an Partial Resync on an NE fails. For example, when resyncing only some MIB entries as opposed to a full resync. The periodic reachability test (sysUpTime) is not considered a partial resync, neither is a full resync. However, a PartialResyncProblem alarm can only be reset by a FullResync.		

(1 of 2)

16 – Alcatel-Lucent 7750 SR alarms

Alarm	Attributes	Applicable major NE releases
Raising condition: ('partialResyncStatus' EQUAL 'Partial Resync Failed')		
Clearing condition: ('partialResyncStatus' EQUAL 'Partial Resync Done')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE.		

(2 of 2)

Table 16-241 PeerConnectionDown (bgp)

Alarm	Attributes	Applicable major NE releases
Name: PeerConnectionDown (2) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.Peer	Severity: critical Implicitly cleared: true Default probable cause: connectionDown (2)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a BGP peer has a Connection State other than Established, and the Administrative State of the BGP peer is Up.		
Raising condition: (('Connection State' NOT EQUAL 'Established') AND ('Administrative State' EQUAL 'Up'))		
Clearing condition: (('Connection State' EQUAL 'Established') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: A mismatch in configuration may have occurred. Check the configuration of both peers to rule out a mismatched configuration.		

Table 16-242 PeerConnectionDown (msdp)

Alarm	Attributes	Applicable major NE releases
Name: PeerConnectionDown (2) Type: ProtocolAlarm (1) Package: msdp Raised on class: msdp.CommonPeer	Severity: critical Implicitly cleared: true Default probable cause: connectionDown (2)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the connectionState of this peer changes from Established to a state other than Established. The alarm clears when the connectionState of this peer returns to the Established state.		
Raising condition: (('connectionState' NOT EQUAL 'Established') AND ('administrativeState' EQUAL 'Up'))		
Clearing condition: (('connectionState' EQUAL 'Established') OR ('administrativeState' NOT EQUAL 'Up'))		
Remedial action: Check the configurations of the peer routers.		

Table 16-243 PeerDown (bgp)

Alarm	Attributes	Applicable major NE releases
Name: PeerDown (1) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.Peer	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a BGP peer has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: The BGP peer entity is down - administratively disable the BGP peer and re-enable it. If toggling the administrative state does not solve the problem check that the physical interface and network connection to the far end peer are up and operational. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 16-244 PeerDown (msdp)

Alarm	Attributes	Applicable major NE releases
Name: PeerDown (1) Type: ProtocolAlarm (1) Package: msdp Raised on class: msdp.CommonPeer	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the Administrative State of a peer changes from Up to Down. The alarm clears when the Administrative State returns to Up.		
Raising condition: (('administrativeState' EQUAL 'Down'))		
Clearing condition: (('administrativeState' NOT EQUAL 'Down'))		
Remedial action: Turn up the Peer.		

Table 16-245 PeerGroupDown (bgp)

Alarm	Attributes	Applicable major NE releases
Name: PeerGroupDown (5) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.PeerGroup	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a BGP peer group has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: The BGP peer group is down - administratively disable the BGP peer group and re-enable it. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 16-246 PeerGroupDown (msdp)

Alarm	Attributes	Applicable major NE releases
Name: PeerGroupDown (5) Type: ProtocolAlarm (1) Package: msdp Raised on class: msdp.PeerGroup	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the Administrative State of a peer group changes from Up to Down. The alarm clears when the Administrative State returns to Up.		
Raising condition: (('Administrative State' EQUAL 'Down'))		
Clearing condition: (('Administrative State' NOT EQUAL 'Down'))		
Remedial action: Turn up the Group.		

Table 16-247 PeerLacIngressEgressFault

Alarm	Attributes	Applicable major NE releases
Name: PeerLacIngressEgressFault (2929) Type: PeerLacAlarm (98) Package: svt Raised on class: svt.SpokeSdpBinding	Severity: minor Implicitly cleared: true Default probable cause: peerPWStatusBitsChanged (1123)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the Peer Status is Peer LAC Rx Fault and Peer LAC Tx Fault		
Raising condition: (('Peer State Cause'anyBit'Peer LAC Tx Fault') AND ('Peer State Cause'anyBit'Peer LAC Rx Fault'))		
Clearing condition: NOT (((('Peer State Cause'anyBit'Peer LAC Tx Fault') AND ('Peer State Cause'anyBit'Peer LAC Rx Fault'))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 16-248 PersistentIndexParametersMisconfigured

Alarm	Attributes	Applicable major NE releases
Name: PersistentIndexParametersMisconfigured (173) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: persistentIndexConfigurationMismatch (136)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when persistence is set to Off in the NE BOF.		
Raising condition: (('Persistent SNMP Indices' EQUAL 'False') OR (('hasRedundantProcessorCards' EQUAL 'true') AND ('Redundant Synchronization Mode' EQUAL 'None')))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: (('Persistent SNMP Indices' EQUAL 'True') AND (('hasRedundantProcessorCards' EQUAL 'false') OR ('Redundant Synchronization Mode' NOT EQUAL 'None')))		
Remedial action: A configuration error has occurred that must be corrected. Use the CLI on the NE to enable persistency in the BOF. The discovery process will complete on the next discovery scan. A re-scan can be triggered immediately for the NE from within the discovery manager		

(2 of 2)

Table 16-249 PimDown

Alarm	Attributes	Applicable major NE releases
Name: PimDown (184) Type: ProtocolAlarm (1) Package: pim Raised on class: pim.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a PIM site is administratively Up but operationally Down. The alarm is cleared when the PIM site becomes operationally Up but administratively Down.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: This should never happen. Contact Alcatel-Lucent Customer Support for assistance.		

Table 16-250 PollerProblem

Alarm	Attributes	Applicable major NE releases
Name: PollerProblem (31) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: resyncFailed (24)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
Raising condition: ('Resync Status' EQUAL 'Full Resync Failed')		
Clearing condition: ('Resync Status' EQUAL 'Full Resync Done')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 16-251 PoolDepleted

Alarm	Attributes	Applicable major NE releases
Name: PoolDepleted (3950) Type: configurationAlarm (11) Package: dhcp Raised on class: dhcp.AddressPool	Severity: major Implicitly cleared: false Default probable cause: actualFreeAddrDepleted (1529)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: This alarm is generated when the actual number of free addresses in the DHCP Server Address pool becomes zero.		
Remedial action: This alarm is generated when the actual number of free addresses in a pool becomes zero. Please increase the pool address range or create another address pool.		

Table 16-252 PowerSupplyFailure

Alarm	Attributes	Applicable major NE releases
Name: PowerSupplyFailure (633) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: critical Implicitly cleared: true Default probable cause: powerSupplyFailure (117)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a power-supply tray reports a failure. When the alarm is raised during device discovery, a power-supply tray may be out of service. When the alarm is raised while the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
Raising condition: (('Power Supply 1 Status' EQUAL 'Not Equipped') OR ('Power Supply 1 Status' EQUAL 'Failed'))		
Clearing condition: (('Power Supply 1 Status' EQUAL 'OK'))		
Remedial action: Ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 16-253 PowerSupplyInputFeedDown

Alarm	Attributes	Applicable major NE releases
Name: PowerSupplyInputFeedDown (5422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: minor Implicitly cleared: true Default probable cause: powerSupplyInputFeedDown (2073)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: This alarm is generated if any one of the input feeds for a given power supply is not supplying power.		
Raising condition: (('Input Feed Status' EQUAL 'Input A Down') OR ('Input Feed Status' EQUAL 'Input B Down') OR (('Input Feed Status'allBits'Input A Down') AND ('Input Feed Status'allBits'Input B Down'))		
Clearing condition: ('Input Feed Status' EQUAL 'None')		
Remedial action: Restore all of the input feeds that are not supplying power.		

Table 16-254 PowerSupplyRemoved

Alarm	Attributes	Applicable major NE releases
Name: PowerSupplyRemoved (542) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: major Implicitly cleared: true Default probable cause: PowerSupplyRemoved (415)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a chassis power supply is removed.		
Raising condition: ('Power Supply 1 Status' EQUAL 'Not Equipped')		
Clearing condition: ('Power Supply 1 Status' NOT EQUAL 'Not Equipped')		
Remedial action: To recover from this event, the customer is requested to add a new power supply to the system, or change a faulty power supply with a working one.		

Table 16-255 PppLoopbackDetected

Alarm	Attributes	Applicable major NE releases
Name: PppLoopbackDetected (362) Type: configurationAlarm (11) Package: ppp Raised on class: ppp.Interface	Severity: major Implicitly cleared: true Default probable cause: PppLoopbackDetected (259)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the value of tmnxPppLocalMagicNumber is the same as the value of tmnxPppRemoteMagicNumber, which indicates that the link may be looped back.		
Raising condition: (('Local Magic Number' EQUAL 'Remote Magic Number') AND ('Local Magic Number' NOT EQUAL '0L'))		
Clearing condition: (('Local Magic Number' NOT EQUAL 'Remote Magic Number') OR ('Local Magic Number' EQUAL '0L'))		
Remedial action: Informational.		

Table 16-256 PrimaryImageBootFailure

Alarm	Attributes	Applicable major NE releases
Name: PrimaryImageBootFailure (191) Type: configurationAlarm (11) Package: sw Raised on class: sw.CardSoftware	Severity: warning Implicitly cleared: true Default probable cause: bootOptionFileMisconfigured (150)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the primary software image specified in an NE BOF is unusable.		
Raising condition: (('imageSource' NOT EQUAL 'Primary') AND ('imageSource' NOT EQUAL 'Unknown'))		
Clearing condition: (('imageSource' EQUAL 'Primary') OR ('imageSource' EQUAL 'Unknown'))		
Remedial action: The SW image on the NE may have been inadvertently corrupted. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

Table 16-257 PrimaryPathLimitReached

Alarm	Attributes	Applicable major NE releases
Name: PrimaryPathLimitReached (457) Type: resourceAlarm (28) Package: equipment Raised on class: equipment.DaughterCard	Severity: warning Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the Ingress Multicast Path Management primary path bandwidth limit is reached.		
Raising condition: (('Primary Path Limit Override' > '0') AND ('Primary Path In use' >= (1000 * 'Primary Path Limit Override'))"		
Clearing condition: (('Primary Path Limit Override' > '0') AND ('Primary Path In use' < (1000 * 'Primary Path Limit Override'))"		
Remedial action: Informational - The alarm is raised when the Ingress Multicast Path Management primary path bandwidth limit is reached. This can be remedied by modifying the primary path limit located at T1 Paths tab of the multicast bandwidth policy which assigned to the card, or increase the primary path limit override located at the Daughter Card tab under Daughter Card Slot form.		

Table 16-258 PTPClockNoMasterAlarm

Alarm	Attributes	Applicable major NE releases
Name: PTPClockNoMasterAlarm (3604) Type: communicationsAlarm (4) Package: ptp Raised on class: ptp.IEEEPTPClock	Severity: major Implicitly cleared: true Default probable cause: PTPClockNoMaster (1393)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when Precision Timing Protocol (PTP) clock does not support PTP timing master.		
Remedial action: Informational- Please verify master clock configuration for timing.		

Table 16-259 PTPNotQualified

Alarm	Attributes	Applicable major NE releases
Name: PTPNotQualified (3611) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPNotQualified (1400)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when PTP on an NE is not in the Qualified state.		
Raising condition: (('Qualified For Use' EQUAL 'Not Qualified'))		
Clearing condition: (('Qualified For Use' NOT EQUAL 'Not Qualified'))		
Remedial action: Check the communication path is up between the local PTP slave clock and its selected master		

Table 16-260 PTPPeerLossOfAnnounce

Alarm	Attributes	Applicable major NE releases
Name: PTPPeerLossOfAnnounce (3608) Type: communicationsAlarm (4) Package: ptp Raised on class: ptp.IEEEPTPPeer	Severity: minor Implicitly cleared: true Default probable cause: PTPPeerLossOfAnnounce (1397)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the PTP peer is in the 'Packet Timing Signal Fail (Loss Announce)' state. This indicates that the PTP announce messages are not received from the remote master.		
Raising condition: (('Master GM Alarms'anyBit'Loss of Announce'))		
Clearing condition: NOT (((('Master GM Alarms'anyBit'Loss of Announce'))))		
Remedial action: Please check if Configured Peer IP address is reachable (ping <Peer Ip>) from the this SR node and PTP configuration is proper.		

Table 16-261 PTPPeerLossOfSync

Alarm	Attributes	Applicable major NE releases
Name: PTPPeerLossOfSync (3609) Type: communicationsAlarm (4) Package: ptp Raised on class: ptp.IEEEPTPPeer	Severity: minor Implicitly cleared: true Default probable cause: PTPPeerLossOfSync (1398)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the PTP peer is in the 'Packet Timing Signal Fail (Loss Sync)' state. This indicates that the PTP timing messages are not received from the remote master.		
Raising condition: (('Master GM Alarms'anyBit'Loss of Sync'))		
Clearing condition: NOT (((('Master GM Alarms'anyBit'Loss of Sync'))))		
Remedial action: Please check if Configured Peer IP address is reachable (ping <Peer Ip>) from the this SR node and PTP configuration is proper.		

Table 16-262 PTPReferenceLossOfSignal

Alarm	Attributes	Applicable major NE releases
Name: PTPReferenceLossOfSignal (3613) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPReferenceLossOfSignal (1402)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the PTP reference on an NE is not qualified due to Loss of Signal.		
Raising condition: (('Not Qualified Due To'anyBit'LOS'))		
Clearing condition: NOT (((('Not Qualified Due To'anyBit'LOS'))))		
Remedial action: Check the communication path is up between the local PTP slave clock and its selected master		

Table 16-263 PTPReferenceOutOfFrequency

Alarm	Attributes	Applicable major NE releases
Name: PTPReferenceOutOfFrequency (3614) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPReferenceOutOfFrequency (1403)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the PTP Reference on an NE is not qualified due to Out of frequency.		
Raising condition: (('Not Qualified Due To'anyBit'OOF'))		
Clearing condition: NOT (('Not Qualified Due To'anyBit'OOF'))		
Remedial action: Make sure that fequency configured for Reference One is correct.		

Table 16-264 PTPReferenceOutOfPollInRange

Alarm	Attributes	Applicable major NE releases
Name: PTPReferenceOutOfPollInRange (3615) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPReferenceOutOfPollInRange (1404)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the PTP Reference on an NE is not qualified state due to Out of poll in range.		
Raising condition: (('Not Qualified Due To'anyBit'OOPIR'))		
Clearing condition: NOT (('Not Qualified Due To'anyBit'OOPIR'))		
Remedial action: If there is packet flow, the PTP slave clock is in it's initial acquiring states where the sync-if-timing reference does not qualify just wait.		

Table 16-265 RadiusOperStatusDown

Alarm	Attributes	Applicable major NE releases
Name: RadiusOperStatusDown (3692) Type: radiusOperStatusDownAlarm (105) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: radiusOperationStatusDown (1431)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when all RADIUS servers have gone down.		
Raising condition: ('Global RADIUS Operational State' EQUAL 'Down')		
Clearing condition: ('Global RADIUS Operational State' EQUAL 'Up')		
Remedial action: Verify the RADIUS server is properly configured and radius server state is up.Check the connectivity between SAM server and radius server configured on the Network element.		

Table 16-266 ReachabilityProblem

Alarm	Attributes	Applicable major NE releases
Name: ReachabilityProblem (243) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ReachabilityTestFailed (176)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an Mediation poll of the SysUpTimeAlarm object on an NE fails, for example, because of network congestion or because the NE is too busy to respond. The probable cause is an unreachable NE Mediation agent on the NE. By default, the 5620 SAM polls a managed NE every two minutes. If a poll fails, the alarm is raised. The 5620 SAM polls the NE two minutes after the first failure. If successive polls fail, the 5620 SAM raises the polling interval for the NE by two minutes after each failure to a maximum of 12 min. The polling interval remains at 12 min until the 5620 SAM receives a response from the NE. The alarm clears when the 5620 SAM receives a response from the NE, and the 5620 SAM GUI icon that represents the NE turns from red to green.		
Raising condition: ('SNMP Reachability' EQUAL 'Down')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 16-267 ReconfigFailure

Alarm	Attributes	Applicable major NE releases
Name: ReconfigFailure (1949) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: failedReconfig (937)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: This alarm is raised when the reconfig action failed.		
Raising condition: ('State' EQUAL 'Failed')		
Clearing condition: ('State' NOT EQUAL 'Failed')		
Remedial action: Verify that the object is configured as expected.		

Table 16-268 RedundantMepMisconfiguration

Alarm	Attributes	Applicable major NE releases
Name: RedundantMepMisconfiguration (3631) Type: oamAlarm (18) Package: ethernetOam Raised on class: ethernetOam.Mep	Severity: minor Implicitly cleared: true Default probable cause: misconfiguredRedundantMep (1416)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an Active and Redundant MEP do not have the same Id, Operational MAC Address or Sub Group configured.		
Raising condition: ('validRedundantMepConfig' EQUAL 'false')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: ('validRedundantMepConfig' EQUAL 'true')		
Remedial action: MC-LAG redundant MEP configuration (MEP ID or Mac Address) for Active & Standby Interfaces do not match, this could cause issues with CFM or CCM tests if Active interface changes. Delete and Re-create Standby MEP to match Active.		

(2 of 2)

Table 16-269 RedundantMepMissing

Alarm	Attributes	Applicable major NE releases
Name: RedundantMepMissing (3632) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: minor Implicitly cleared: true Default probable cause: missingRedundantMep (1417)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a MEP misses a redundant counterpart on LAG or SAP.		
Raising condition: (('MC-LAG Inactive' NOT EQUAL 'Not Applicable') AND ('Redundant MEP' EQUAL '\'))		
Clearing condition: (('MC-LAG Inactive' EQUAL 'Not Applicable') OR (('MC-LAG Inactive' NOT EQUAL 'Not Applicable') AND ('Redundant MEP' NOT EQUAL '\')))		
Remedial action: MC-LAG redundant MEP is missing Active & Standby Interfaces, this will cause issues with CFM or CCM tests if Active interface changes. Create missing Active/Standby MEP to match existing.		

Table 16-270 RemoteMepCCMAAlarm

Alarm	Attributes	Applicable major NE releases
Name: RemoteMepCCMAAlarm (502) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: major Implicitly cleared: true Default probable cause: missingRemoteMep (388)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a MEP loses connectivity with one or more remote MEPs. The Remote MEP DB State tab on a MEP lists the missing remote MEPs.		
Raising condition: ('High-Priority Defect' NOT EQUAL '0')		
Clearing condition: ('High-Priority Defect' EQUAL '0')		
Remedial action: MEP has lost communication with Remote MEP defined in Maintenance Association (MEG) Remote MEP list, Either Remote MEP list is incorrect or diagnose connection fault and resolve.		

Table 16-271 RemoteRncvOperDown

Alarm	Attributes	Applicable major NE releases
Name: RemoteRncvOperDown (522) Type: redundancyAlarm (52) Package: multichassis Raised on class: multichassis.MultiChassisRingNode	Severity: major Implicitly cleared: true Default probable cause: remoteRncvDisconnected (397)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the remote RNCV Operational State of a ring node is other than Connected or NotTested, which means that the ring node is not connected to the local MC ring group. The alarm clears when the ring node enters the Connected or NotTested state.		
Raising condition: (('Remote Operational State' NOT EQUAL 'Connected') AND ('Remote Operational State' NOT EQUAL 'Not Tested'))		
Clearing condition: (('Remote Operational State' EQUAL 'Connected') OR ('Remote Operational State' EQUAL 'Not Tested'))		
Remedial action: Make sure that ring node is properly connected to MC ring group.		

Table 16-272 RipDown

Alarm	Attributes	Applicable major NE releases
Name: RipDown (72) Type: ProtocolAlarm (1) Package: rip Raised on class: rip.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a RIP site has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: The RIP Site is down while it is administratively up. Please check the node e.g. IOM is not shutdown or installed.		

Table 16-273 RouteDistinguisherNotConfigured

Alarm	Attributes	Applicable major NE releases
Name: RouteDistinguisherNotConfigured (142) Type: configurationAlarm (11) Package: l3fwd Raised on class: l3fwd.ServiceSite	Severity: major Implicitly cleared: true Default probable cause: routeDistinguisherNotConfigured (113)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when no RD is configured for an L3 service site.		
Raising condition: ('routeDistinguisher' EQUAL '\00 00 00 00 00 00 00 00')		
Clearing condition: ('routeDistinguisher' NOT EQUAL '\00 00 00 00 00 00 00 00')		
Remedial action: A configuration error has occurred which must be corrected. The RD must be configured on the L3 Service Site in question.		

Table 16-274 RsvpDown

Alarm	Attributes	Applicable major NE releases
Name: RsvpDown (74) Type: ProtocolAlarm (1) Package: rsvp Raised on class: rsvp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an RSVP site has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: The RSVP Site is down while it is administratively up. Please check MPLS is enabled and administratively up.		

Table 16-275 RxSectionSynchronizationError

Alarm	Attributes	Applicable major NE releases
Name: RxSectionSynchronizationError (93) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: rxSectionSynchronizationError (79)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a SONET port reports a section synchronization failure. A section synchronization failure occurs when the S1 byte is inconsistent for eight consecutive frames.		
Raising condition: (('Outstanding Alarms'anyBit'RX Section Synchronization Error') AND ('Report Alarms'anyBit'RX Section Synchronization Error'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'RX Section Synchronization Error') AND ('Report Alarms'anyBit'RX Section Synchronization Error'))		
Remedial action: Check the link status between SONET Port and the source.		

Table 16-276 S2LPathBypassTunnelActive

Alarm	Attributes	Applicable major NE releases
Name: S2LPathBypassTunnelActive (777) Type: pathAlarm (12) Package: mpls Raised on class: mpls.S2LPath	Severity: warning Implicitly cleared: true Default probable cause: S2LPathReroutedToBypassTunnel (552)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the bypass tunnel in an S2L path becomes active. The alarm clears when the bypass tunnel is no longer active, for example, because a primary tunnel failure is resolved or a new path is established.		
Raising condition: ('Bypass Tunnel Active' EQUAL 'true')		
Clearing condition: ('Bypass Tunnel Active' EQUAL 'false')		
Remedial action: Check what caused primary tunnel is down and fix it if possible.		

Table 16-277 S2LPathDown

Alarm	Attributes	Applicable major NE releases
Name: S2LPathDown (778) Type: pathAlarm (12) Package: mpls Raised on class: mpls.S2LPath	Severity: major Implicitly cleared: true Default probable cause: S2LPathDown (553)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the S2L path Administrative State is Up and the Operational State is not Up. The alarm clears when the S2L path Operational State changes to Up or the Administrative State changes to Down.		
Raising condition: (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up'))		
Clearing condition: (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up'))		
Remedial action: Check the failure code and update accordingly, e.g. whether MPLS/RSVP interfaces, OSPF interfaces are down.		

Table 16-278 SapDDosDynamicExceeded

Alarm	Attributes	Applicable major NE releases
Name: SapDDosDynamicExceeded (4890) Type: securityServiceOrMechanismViolation (92) Package: service Raised on class: service.AccessInterface	Severity: warning Implicitly cleared: true Default probable cause: ExceedingPolicingParameters (1950)	<ul style="list-style-type: none"> • 11.0 • 12.0
Description: The alarm is raised when the protocol on a particular SAP has been detected as non-conformant to the associated distributed CPU protection policy parameters (on receiving sapDcpDynamicExcd trap) and the alarm status is set as non-conformant. When the SAP starts hold-down period for an exceeding protocol (on receiving sapDcpDynamicHoldDownStart trap), the alarm status will change into non-conformant(Hold Down Start). When the SAP completes hold-down period for an exceeding protocol (on receiving sapDcpDynamicHoldDownEnd trap), the alarm status will be changed into non-conformant(Hold Down End). When the protocol for the SAP has been detected as conformant for a period of the configured detection-time after having been previously detected as exceeding and completed any hold-down period (on receiving sapDcpDynamicConform trap), the alarm will be cleared.		
Remedial action: Appropriate configuration changes to the distributed CPU protection policy or to the affected SAP may be required.		

Table 16-279 SapDDosLocMonitorExceeded

Alarm	Attributes	Applicable major NE releases
Name: SapDDosLocMonitorExceeded (4891) Type: securityServiceOrMechanismViolation (92) Package: service Raised on class: service.AccessInterface	Severity: warning Implicitly cleared: true Default probable cause: ExceedingPolicingParameters (1950)	<ul style="list-style-type: none"> • 11.0 • 12.0

(1 of 2)

16 – Alcatel-Lucent 7750 SR alarms

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when the local-monitoring-policer for a particular SAP has transitioned from a conformant state to a non-conformant state and the system will attempt to allocate dynamic enforcement policers (on receiving sapDcpLocMonExcd trap), and the alarm status is set as non-conformant. When all dynamic enforcement policers associated with a non-conformant local-monitoring-policer have been successfully allocated for the SAP (on receiving sapDcpLocMonExcdAllDynAlloc trap), the alarm status will be changed into non-conformant(Located All). When the local-monitoring-policer for a particular SAP has transitioned from a conformant state to a non-conformant state and the system cannot allocate all the dynamic enforcement policers associated with the distributed CPU protection policy (on receiving sapDcpLocMonExcdDynResource trap), the alarm status will be changed into non-conformant(Cannot Allocate All). When all the previously allocated dynamic enforcement policers for a particular local-monitoring-policer on the associated distributed CPU protection policy have been freed up and all the protocols are once again being monitored by local-monitor (on receiving sapDcpLocMonExcdAllDynFreed trap), the alarm will be cleared.		
Remedial action: Appropriate configuration changes to the distributed CPU protection policy or to the affected SAP may be required.		

(2 of 2)

Table 16-280 SapDDosStaticExceeded

Alarm	Attributes	Applicable major NE releases
Name: SapDDosStaticExceeded (4892) Type: securityServiceOrMechanismViolation (92) Package: service Raised on class: service.AccessInterface	Severity: warning Implicitly cleared: true Default probable cause: ExceedingPolicingParameters (1950)	<ul style="list-style-type: none"> • 11.0 • 12.0
Description: The alarm is raised when the static-policer on a particular SAP has been detected as non-conformant to the associated distributed CPU protection policy parameters (on receiving sapDcpStaticExcd trap) and the alarm status is set as non-conformant. When the SAP starts hold-down period for the exceeding static-policer (on receiving sapDcpStaticHoldDownStart trap), the alarm status will change into non-conformant(Hold Down Start). When the SAP ends hold-down period for the exceeding static-policer (on receiving sapDcpStaticHoldDownEnd trap), the alarm status will be changed into non-conformant(Hold Down End). When the static-policer for the SAP has been detected as conformant for a period of the configured detection-time after having been previously detected as exceeding and completed any hold-down period (on receiving sapDcpStaticConform trap), the alarm will be cleared.		
Remedial action: Appropriate configuration changes to the distributed CPU protection policy or to the affected SAP may be required.		

Table 16-281 SaveConfigFailed

Alarm	Attributes	Applicable major NE releases
Name: SaveConfigFailed (105) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileAccessError (90)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the admin save command on an NE fails.		
Raising condition: ('Config Save State' EQUAL 'Failure')		
Clearing condition: ('Config Save State' EQUAL 'Success')		
Remedial action: Attempt the admin save command a second time. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 16-282 ScheduledPollerProblem

Alarm	Attributes	Applicable major NE releases
Name: ScheduledPollerProblem (4386) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: scheduledResyncFailed (1569)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
Raising condition: ('Scheduled Resync Status' EQUAL 'Scheduled Resync Failed')		
Clearing condition: ('Scheduled Resync Status' EQUAL 'Scheduled Resync Done')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 16-283 SdpBindingDown

Alarm	Attributes	Applicable major NE releases
Name: SdpBindingDown (221) Type: SdpBindingAlarm (30) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: SdpBindingNotReady (166)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an SDP binding has an Operational State other than Up.		
Raising condition: (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'Standby For BGP Multi-Homing'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'Standby For BGP Multi-Homing'))		
Remedial action: To resolve this alarm check the SDP binding to determine if a configuration mismatch exists. If configuration is determined to be correct then the associated network interface may be down. Further investigation is required to determine why the underlying network interface is down.		

Table 16-284 SdpBindingTunnelDown

Alarm	Attributes	Applicable major NE releases
Name: SdpBindingTunnelDown (222) Type: CircuitAlarm (17) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: SdpTunnelNotReady (167)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an SDP binding tunnel has an Operational State other than Up.		
Raising condition: (('Operational State' EQUAL 'Tunnel Not Ready') OR ('Operational State' EQUAL 'Tunnel Down'))		
Clearing condition: (('Operational State' NOT EQUAL 'Tunnel Not Ready') AND ('Operational State' NOT EQUAL 'Tunnel Down'))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: To resolve this alarm check the endpoints of the SDP binding to determine if a configuration mismatch exists. If configuration matches then the underlying network resource between the endpoints of the SDP may be down. Further investigation is required to determine why the underlying transport network is down.		

(2 of 2)

Table 16-285 SdpEgressIfsNetDomainInConsistent

Alarm	Attributes	Applicable major NE releases
Name: SdpEgressIfsNetDomainInConsistent (3616) Type: resourceAlarm (28) Package: svt Raised on class: svt.Tunnel	Severity: warning Implicitly cleared: true Default probable cause: sdpEgressIfsNetDomainInConsistent (1405)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the SDP egress interface's consistency state changes to inconsistent.		
Raising condition: ('Egress Interfaces Consistency State' EQUAL '3')		
Clearing condition: ('Egress Interfaces Consistency State' EQUAL '2')		
Remedial action: To resolve this alarm check egress interfaces of the SDP configuration. If configuration is determined to be correct check underlying physical transport. Further investigation is required.		

Table 16-286 SecondaryPathLimitReached

Alarm	Attributes	Applicable major NE releases
Name: SecondaryPathLimitReached (458) Type: resourceAlarm (28) Package: equipment Raised on class: equipment.DaughterCard	Severity: warning Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the Ingress Multicast Path Management secondary path bandwidth limit is reached.		
Raising condition: (('Secondary Path Limit Override' > '0') AND ('Secondary Path In use' >= (1000 * 'Secondary Path Limit Override'))"		
Clearing condition: (('Secondary Path Limit Override' > '0') AND ('Secondary Path In use' < (1000 * 'Secondary Path Limit Override'))"		
Remedial action: Informational - The alarm is raised when the Ingress Multicast Path Management secondary path bandwidth limit is reached. This can be remedied by modifying the secondary path limit located at T1 Paths tab of the multicast bandwidth policy which assigned to the card, or increase the secondary path limit override located at the Daughter Card tab under Daughter Card Slot form.		

Table 16-287 SectionB1Error

Alarm	Attributes	Applicable major NE releases
Name: SectionB1Error (87) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: sectionB1Error (73)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a SONET port reports a section error condition that a remote NE raises because of b1 errors received from the local NE. The alarm corresponds to the lrei alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'Section B1 Error') AND ('Report Alarms'anyBit'Section B1 Error'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Section B1 Error') AND ('Report Alarms'anyBit'Section B1 Error'))		
Remedial action: Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 16-288 SectionLossOfFrame

Alarm	Attributes	Applicable major NE releases
Name: SectionLossOfFrame (90) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: sectionLossOfFrame (76)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a SONET port reports a SLOF error. The alarm corresponds to the slof alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'Section Loss of Frame') AND ('Report Alarms'anyBit'Section Loss of Frame'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Section Loss of Frame') AND ('Report Alarms'anyBit'Section Loss of Frame'))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected.		

Table 16-289 SectionLossOfSignal

Alarm	Attributes	Applicable major NE releases
Name: SectionLossOfSignal (91) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: sectionLossOfSignal (77)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a SONET port reports a SLOS error. The alarm corresponds to the slos alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'Section Loss of Signal') AND ('Report Alarms'anyBit'Section Loss of Signal'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Section Loss of Signal') AND ('Report Alarms'anyBit'Section Loss of Signal'))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected.		

(2 of 2)

Table 16-290 SectionS1Failure

Alarm	Attributes	Applicable major NE releases
Name: SectionS1Failure (86) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: sectionS1Failure (72)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a SONET port reports a section synchronization failure. A section synchronization failure occurs when the S1 byte is inconsistent for eight consecutive frames.		
Raising condition: (('Outstanding Alarms'anyBit'Section S1 Failure') AND ('Report Alarms'anyBit'Section S1 Failure'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'Section S1 Failure') AND ('Report Alarms'anyBit'Section S1 Failure'))		
Remedial action: Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 16-291 ServiceSiteDown

Alarm	Attributes	Applicable major NE releases
Name: ServiceSiteDown (97) Type: serviceAlarm (16) Package: service Raised on class: service.Site	Severity: critical Implicitly cleared: true Default probable cause: siteDown (83)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when all SAPs on a site are operationally down, or when the service tunnels for the site are operationally down.		
Raising condition: (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'All Spoke SDP Bindings are Standby'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'All Spoke SDP Bindings are Standby'))		
Remedial action: The network resources (i.e. physical ports for SAPs, or physical ports/LSP) associated with the service site should be examined to determine if/why they are operationally down. The underlying transport network supporting the site may also be unreliable.		

Table 16-292 SessionDown

Alarm	Attributes	Applicable major NE releases
Name: SessionDown (73) Type: ProtocolAlarm (1) Package: rsvp Raised on class: rsvp.Session	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an RSVP session is operationally down.		
Raising condition: ('Operational State' EQUAL 'Down')		
Clearing condition: ('Operational State' EQUAL 'Up')		
Remedial action: Please check the RSVP session path to make sure all associated protocols/interfaces/connections are OK.		

Table 16-293 ShamLinkDown

Alarm	Attributes	Applicable major NE releases
Name: ShamLinkDown (665) Type: ShamLinkAlarm (57) Package: ospf Raised on class: ospf.ShamLink	Severity: critical Implicitly cleared: true Default probable cause: ShamLinkDown (492)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a sham link is operationally down.		
Raising condition: ('Operational State' EQUAL 'Down')		
Clearing condition: ('Operational State' NOT EQUAL 'Down')		
Remedial action: This alarm is raised when the OSPF sham link is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 16-294 SingleSFMOverloadDetected

Alarm	Attributes	Applicable major NE releases
Name: SingleSFMOverloadDetected (843) Type: ProtocolAlarm (1) Package: l3fwd Raised on class: l3fwd.Site	Severity: major Implicitly cleared: true Default probable cause: singleSfmOverloadDetected (601)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a device reports a single-SFM overload. The alarm clears when the VR exits the Overload state.		
Raising condition: ('Overload State' EQUAL 'Overload')		
Clearing condition: ('Overload State' EQUAL 'Normal')		
Remedial action: Information - if the problem persists please contact Alcatel-Lucent support for assistance.		

Table 16-295 SonetPathAlarmIndicationSignal

Alarm	Attributes	Applicable major NE releases
Name: SonetPathAlarmIndicationSignal (129) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathAlarmIndicationSignal (63)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a SONET port reports a PAIS error. The alarm corresponds to the pais alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'Path Alarm Indication Signal') AND ('Report Alarms'anyBit'Path Alarm Indication Signal'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Path Alarm Indication Signal') AND ('Report Alarms'anyBit'Path Alarm Indication Signal'))))		
Remedial action: Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 16-296 SonetPathB3Error

Alarm	Attributes	Applicable major NE releases
Name: SonetPathB3Error (132) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathB3Error (66)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a SONET port reports a path error condition because of b3 errors. The alarm corresponds to the prei alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'Path B3 error') AND ('Report Alarms'anyBit'Path B3 error'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Path B3 error') AND ('Report Alarms'anyBit'Path B3 error'))))		
Remedial action: Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 16-297 SonetPathLossOfCodegroupDelineationError

Alarm	Attributes	Applicable major NE releases
Name: SonetPathLossOfCodegroupDelineationError (248) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathLossOfCodegroupDelineationError (185)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a SONET port reports a PLCD error. The alarm corresponds to the plcd alarm on an NE.		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Raising condition: (('Outstanding Alarms'anyBit'Path Loss of Codegroup Delineation Error') AND ('Report Alarms'anyBit'Path Loss of Codegroup Delineation Error'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Path Loss of Codegroup Delineation Error') AND ('Report Alarms'anyBit'Path Loss of Codegroup Delineation Error'))))		
Remedial action: Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

(2 of 2)

Table 16-298 SonetPathLossOfPointer

Alarm	Attributes	Applicable major NE releases
Name: SonetPathLossOfPointer (130) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathLossOfPointer (64)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a SONET port reports a PLOP error. The alarm corresponds to the plop alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'Path Loss of Pointer') AND ('Report Alarms'anyBit'Path Loss of Pointer'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Path Loss of Pointer') AND ('Report Alarms'anyBit'Path Loss of Pointer'))))		
Remedial action: Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 16-299 SonetPathPayloadMismatch

Alarm	Attributes	Applicable major NE releases
Name: SonetPathPayloadMismatch (133) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathPayloadMismatch (67)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a SONET port reports a PPLM error on a channel, after which the channel is set operationally down. The alarm corresponds to the pplm alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'Path Payload Mismatch') AND ('Report Alarms'anyBit'Path Payload Mismatch'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Path Payload Mismatch') AND ('Report Alarms'anyBit'Path Payload Mismatch'))))		
Remedial action: Informational only.		

Table 16-300 SonetPathRemoteB3Error

Alarm	Attributes	Applicable major NE releases
Name: SonetPathRemoteB3Error (134) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathRemoteB3Error (68)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a SONET port reports a path error condition that a remote NE raises because of b3 errors received from the local NE. The alarm corresponds to the prei alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'Path Remote B3 Error') AND ('Report Alarms'anyBit'Path Remote B3 Error'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Path Remote B3 Error') AND ('Report Alarms'anyBit'Path Remote B3 Error'))		
Remedial action: Check the remote NE is configured correctly and its physical layer cabling is operating correctly.		

Table 16-301 SonetPathRemoteDefectIndication

Alarm	Attributes	Applicable major NE releases
Name: SonetPathRemoteDefectIndication (131) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathRemoteDefectIndication (65)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a SONET port reports a remote PAIS error. The alarm corresponds to the pais alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'Path Remote Defect Indication') AND ('Report Alarms'anyBit'Path Remote Defect Indication'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Path Remote Defect Indication') AND ('Report Alarms'anyBit'Path Remote Defect Indication'))		
Remedial action: Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 16-302 SonetPathUnequippedPathError

Alarm	Attributes	Applicable major NE releases
Name: SonetPathUnequippedPathError (143) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathUnequippedPathError (114)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a SONET port reports a path unequipped error. The alarm corresponds to the Path Alarm Unequipped Path Error alarm on an NE.		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Raising condition: (('Outstanding Alarms'anyBit'Path Alarm Unequipped Path Error') AND ('Report Alarms'anyBit'Path Alarm Unequipped Path Error'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Path Alarm Unequipped Path Error') AND ('Report Alarms'anyBit'Path Alarm Unequipped Path Error'))		
Remedial action: Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

(2 of 2)

Table 16-303 SpbAdjacencyDown

Alarm	Attributes	Applicable major NE releases
Name: SpbAdjacencyDown (4392) Type: adjacencyAlarm (31) Package: spb Raised on class: spb.AbstractInterface	Severity: minor Implicitly cleared: true Default probable cause: IsisInterfaceDown (232)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0
Description: The alarm is raised when an SPB IS-IS interface has no adjacencies, for example, because the IS-IS protocol on the remote site is down.		
Raising condition: (('Adjacency Count' EQUAL '0L'))		
Clearing condition: (('Adjacency Count' > '0L'))		
Remedial action: Check remote site to see if corresponding IS-IS interface is configured and admin up.		

Table 16-304 SpbInterfaceDown

Alarm	Attributes	Applicable major NE releases
Name: SpbInterfaceDown (4393) Type: ProtocolAlarm (1) Package: spb Raised on class: spb.AbstractInterface	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0
Description: The alarm is raised when an SPB IS-IS interface has an Operational State other than Up.		
Raising condition: ('operationalState' EQUAL 'Down')		
Clearing condition: ('operationalState' NOT EQUAL 'Down')		
Remedial action: Check if underlying port is down, or associated network interface is down.		

Table 16-305 SpbSiteDown

Alarm	Attributes	Applicable major NE releases
Name: SpbSiteDown (4396) Type: ProtocolAlarm (1) Package: spb Raised on class: spb.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0
Description: The alarm is raised when an SPB site has an Operational State other than Up.		
Raising condition: ('Operational State' NOT EQUAL 'Up')		
Clearing condition: ('Operational State' EQUAL 'Up')		
Remedial action: Check if the administrative state is down. If the administrative state is up, then check the ISIS instance associated with the SPB and make sure it is up.		

Table 16-306 StatsRetrieveFailed

Alarm	Attributes	Applicable major NE releases
Name: StatsRetrieveFailed (244) Type: configurationAlarm (11) Package: sw Raised on class: sw.AccountingStatsRetrievalManager	Severity: major Implicitly cleared: false Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the 5620 SAM main or auxiliary server cannot transfer an accounting file from an NE.		
Raising condition: (('Stats Retrieval State' NOT EQUAL 'Success') AND ('Stats Retrieval State' NOT EQUAL 'Not Attempted'))		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy or otherwise cannot respond to the 5620 SAM main or auxiliary server.		

Table 16-307 StpExceptionCondition

Alarm	Attributes	Applicable major NE releases
Name: StpExceptionCondition (297) Type: AccessInterfaceAlarm (32) Package: l2fwd Raised on class: l2fwd.AccessInterfaceStp	Severity: major Implicitly cleared: true Default probable cause: StpException (228)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a SAP detects an STP exception condition, for example, one-way communication or a downstream loop. The alarm clears when the STP condition changes.		
Raising condition: (('STP Exception Condition' NOT EQUAL 'None') AND ('Administrative State' EQUAL 'Up'))		
Clearing condition: (('STP Exception Condition' EQUAL 'None') OR ('Administrative State' EQUAL 'Down'))		
Remedial action: Check 'STP Exception Condition' field for more details and fix the STP exception.		

Table 16-308 StpRootGuardViolation

Alarm	Attributes	Applicable major NE releases
Name: StpRootGuardViolation (503) Type: AccessInterfaceAlarm (32) Package: I2fwd Raised on class: I2fwd.AccessInterfaceStp	Severity: warning Implicitly cleared: true Default probable cause: spanningTreeTopologyChanged (331)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a SAP detects an STP root guard violation.		
Raising condition: ('Root Guard Violation' EQUAL 'true')		
Clearing condition: ('Root Guard Violation' NOT EQUAL 'true')		
Remedial action: Set 'Root Guard' to false if not necessary.		

Table 16-309 SubHostLcktLimitReached

Alarm	Attributes	Applicable major NE releases
Name: SubHostLcktLimitReached (4387) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: false Default probable cause: tmnxSubHostLcktLimitReached (1570)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0
Description: This alarm is raised when the system wide maximum number of lockout hosts is reached.		
Remedial action: Please do one of the following: 1. Investigate why the hosts are locked out. Possible reasons include authentication failure due to mis-configuration on the host end, mis-configuration on the BNG, missing or invalid configuration on the RADIUS server, session negotiation failure with the client, resource exhaustion on the BNG, unavailability of RADIUS server (and no fallback configured). 2. Clear the host lockout.		

Table 16-310 SubHostLcktSapLimitReached

Alarm	Attributes	Applicable major NE releases
Name: SubHostLcktSapLimitReached (4391) Type: configurationAlarm (11) Package: service Raised on class: service.AccessInterface	Severity: minor Implicitly cleared: false Default probable cause: tmnxSubHostLcktSapLimitReached (1572)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0
Description: This alarm is raised when the maximum number of lockout hosts on a given SAP is reached.		
Remedial action: Please do one of the following: 1. Investigate why the hosts are locked out. Possible reasons include authentication failure due to mis-configuration on the host end, mis-configuration on the BNG, missing or invalid configuration on the RADIUS server, session negotiation failure with the client, resource exhaustion on the BNG, unavailability of RADIUS server (and no fallback configured). 2. Clear the host lockout on the SAP. 3. Change the Maximum Lockout Hosts (per SAP).		

Table 16-311 SubnetDepleted

Alarm	Attributes	Applicable major NE releases
Name: SubnetDepleted (3953) Type: configurationAlarm (11) Package: dhcp Raised on class: dhcp.Subnet	Severity: major Implicitly cleared: false Default probable cause: actualFreeAddrDepleted (1529)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: This alarm is generated when the actual number of free addresses in the DHCP Server Subnet becomes zero.		
Remedial action: This alarm is generated when the actual number of free addresses in a subnet becomes zero. Please create another subnet.		

Table 16-312 SubscriberInterfaceDown

Alarm	Attributes	Applicable major NE releases
Name: SubscriberInterfaceDown (440) Type: SubscriberInterfaceAlarm (43) Package: service Raised on class: service.SubscriberInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a subscriber interface is operationally down. The alarm clears when the subscriber interface is operationally up.		
Raising condition: ('operationalState' NOT EQUAL 'Up')		
Clearing condition: ('operationalState' EQUAL 'Up')		
Remedial action: Check the configuration and the underlying physical interface.		

Table 16-313 SubscriberSystemNextHopUsageHigh

Alarm	Attributes	Applicable major NE releases
Name: SubscriberSystemNextHopUsageHigh (5157) Type: thresholdCrossed (6) Package: netw Raised on class: netw.NetworkElement	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit.		
Raising condition: ('IP Next Hop Usage High' EQUAL 'true')		
Clearing condition: ('IP Next Hop Usage High' EQUAL 'false')		
Remedial action: The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit. There is no immediate effect, but when the usage actually hits the limit, new hosts will not get their managed routes.		

Table 16-314 svcMacFdbTabelFull

Alarm	Attributes	Applicable major NE releases
Name: svcMacFdbTabelFull (3890) Type: resourceAlarm (28) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the system limit of FDB records is reached.		
Remedial action: The alarm is raised when system limit of FDB records is reached.		

Table 16-315 TemperatureThresholdCrossed

Alarm	Attributes	Applicable major NE releases
Name: TemperatureThresholdCrossed (7) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Environment	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a temperature crosses a threshold.		
Raising condition: ('temperatureThresholdCrossed' EQUAL 'true')		
Clearing condition: ('temperatureThresholdCrossed' EQUAL 'false')		
Remedial action: The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 16-316 TmnxEqPortEtherLoopDetected

Alarm	Attributes	Applicable major NE releases
Name: TmnxEqPortEtherLoopDetected (461) Type: portEtherLoopDetected (48) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a device detects a physical loop on an Ethernet port.		
Raising condition: (('Down When Looped Status' EQUAL 'Loop Detected'))		
Clearing condition: (('Down When Looped Status' EQUAL 'No Loop Detected'))		
Remedial action: An Ethernet port has been mis-cabled - please remove the loopback cable on the port.		

Table 16-317 TMSInterfaceDown

Alarm	Attributes	Applicable major NE releases
Name: TMSInterfaceDown (3907) Type: TMSInterfaceDown (112) Package: service Raised on class: service.TmsInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a TMS interface is operationally down. The alarm clears when the TMS interface is operationally up.		
Raising condition: ('operationalState' NOT EQUAL 'Up')		
Clearing condition: ('operationalState' EQUAL 'Up')		
Remedial action: This alarm indicates TMS Interface configured is operational down.		

Table 16-318 TPLSPDown

Alarm	Attributes	Applicable major NE releases
Name: TPLSPDown (4900) Type: pathAlarm (12) Package: mplstp Raised on class: mplstp.TPLsp	Severity: critical Implicitly cleared: true Default probable cause: TPLSPDown (1957)	<ul style="list-style-type: none"> • 11.0 • 12.0
Description: The alarm is raised when the TP LSP Administrative State is Up and the Operational State is Down. The alarm clears when the TP LSP Operational State changes to Up or the Administrative State changes to Down.		
Raising condition: (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up'))		
Clearing condition: (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up'))		
Remedial action: The Operational state of the TP LSP is down, despite the Administrative state being up. Review the configuration and make sure that the destination information is set correctly and that the Administrative state is up.		

Table 16-319 TPLSPPATHDown

Alarm	Attributes	Applicable major NE releases
Name: TPLSPPATHDown (4901) Type: pathAlarm (12) Package: mplstp Raised on class: mplstp.TPLspPath	Severity: critical Implicitly cleared: true Default probable cause: TPLSPPATHDown (1958)	<ul style="list-style-type: none"> • 11.0 • 12.0
Description: The alarm is raised when the TP LSP Path Administrative State is Up and the Operational State is Down. The alarm clears when the TP LSP Path Operational State changes to Up or the Administrative State changes to Down.		
Raising condition: (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up'))		
Clearing condition: (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up'))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: The Operational state of the TP LSP Path is down, despite the Administrative state being up. Review the configuration and make sure that the Administrative state is up, the egress and ingress labels are set and the Out-Link interface is operationally up.		

(2 of 2)

Table 16-320 TrapDestinationMisconfigured

Alarm	Attributes	Applicable major NE releases
Name: TrapDestinationMisconfigured (33) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: trapDestinationMisconfigured (26) Applicable probable causes: <ul style="list-style-type: none"> trapDestinationMisconfigured duplicateTrapLogId 	<ul style="list-style-type: none"> 10.0 11.0 12.0 9.0
Description: The alarm is raised when the 5620 SAM cannot be added to the NE's SNMP trap destinations.		
Raising condition: ('isTrapDestinationMisconfigured' EQUAL 'true')		
Clearing condition: ('isTrapDestinationMisconfigured' EQUAL 'false')		
Remedial action: A configuration error has been made which must be corrected. The SNMP trap destination on the NE must be configured to the IP address of the SAM server.		

Table 16-321 TrapReceivingFailure

Alarm	Attributes	Applicable major NE releases
Name: TrapReceivingFailure (1083) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: false Default probable cause: trapsWillNotBeSent (822)	<ul style="list-style-type: none"> 10.0 11.0 12.0 9.0
Description: This user-defined alarm is raised when the NE is unable to send traps because the NE configuration is one of the following: - The Management IP Selection is set to Out Of Band Only, the Primary Route Preference is set to In Band, and the Secondary Route Preference is set to None. - The Management IP Selection is set to In Band Only, the Primary Route Preference is set to Out Of Band, and the Secondary Route Preference is set to None.		
Raising condition: (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND (('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND (('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND (('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND (('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND (('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND (('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band'))))		
Remedial action: A configuration error has been made which must be corrected. The configuration error must be corrected per the discussion in the description for this alarm.		

(2 of 2)

Table 16-322 TrapRoutePreferenceRedundancyMissing

Alarm	Attributes	Applicable major NE releases
Name: TrapRoutePreferenceRedundancyMissing (1084) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: trapsRedundancyMissing (823)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The user-defined alarm is raised when NE management redundancy is configured without trap route preference redundancy.		
Raising condition: (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))		
Clearing condition: (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Secondary Route Preference' NOT EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Secondary Route Preference' NOT EQUAL 'None'))		
Remedial action: A configuration error has been made which must be corrected. The IP address of the standby SAM server must be configured on the NE in question.		

Table 16-323 TunnelAdministrativelyDown (mpls)

Alarm	Attributes	Applicable major NE releases
Name: TunnelAdministrativelyDown (523) Type: pathAlarm (12) Package: mpls Raised on class: mpls.Tunnel	Severity: minor Implicitly cleared: true Default probable cause: tunnelAdministrativelyDown (333)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the 5620 SAM detects that an MPLS path is administratively down.		
Raising condition: ('Administrative' NOT EQUAL 'Up')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: ('Administrative' EQUAL 'Up')		
Remedial action: Turn up the corresponding MPLS path.		

(2 of 2)

Table 16-324 TunnelAdministrativelyDown (svt)

Alarm	Attributes	Applicable major NE releases
Name: TunnelAdministrativelyDown (523) Type: pathAlarm (12) Package: svt Raised on class: svt.Tunnel	Severity: minor Implicitly cleared: true Default probable cause: tunnelAdministrativelyDown (333)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the 5620 SAM detects that a service tunnel is administratively down.		
Raising condition: ('administrativeState' NOT EQUAL 'Up')		
Clearing condition: ('administrativeState' EQUAL 'Up')		
Remedial action: Informational - an operator has manually turned down a service tunnel.		

Table 16-325 TunnelDown (mpls)

Alarm	Attributes	Applicable major NE releases
Name: TunnelDown (30) Type: pathAlarm (12) Package: mpls Raised on class: mpls.Tunnel	Severity: warning Implicitly cleared: true Default probable cause: tunnelDown (23)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an MPLS path has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up'))		
Clearing condition: (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up'))		
Remedial action: Check the network resources along the path.		

Table 16-326 TunnelDown (svt)

Alarm	Attributes	Applicable major NE releases
Name: TunnelDown (30) Type: pathAlarm (12) Package: svt Raised on class: svt.AbstractTunnel	Severity: critical Implicitly cleared: true Default probable cause: tunnelDown (23)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when the 5620 SAM detects that a service tunnel is operationally down.		
Raising condition: (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up'))		
Clearing condition: (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up'))		
Remedial action: This alarm indicates that a problem has been made in the underlying transport network. If the alarm persists or re-occurs frequently then investigation of the underlying transport issues is warranted.		

(2 of 2)

Table 16-327 TxSectionSynchronizationError

Alarm	Attributes	Applicable major NE releases
Name: TxSectionSynchronizationError (92) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: txSectionSynchronizationError (78)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a SONET port reports an SS1F error. The alarm corresponds to the ss1f alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'TX Section Synchronization Error') AND ('Report Alarms'anyBit'TX Section Synchronization Error'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'TX Section Synchronization Error') AND ('Report Alarms'anyBit'TX Section Synchronization Error'))))		
Remedial action: Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 16-328 UnidentifiedNode

Alarm	Attributes	Applicable major NE releases
Name: UnidentifiedNode (1922) Type: communicationsAlarm (4) Package: netw Raised on class: netw.DiscoveredNode	Severity: major Implicitly cleared: true Default probable cause: unidentifiedNode (922)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the node being discovered can not be properly identified.		
Raising condition: ('State' EQUAL 'Pending Identification')		
Clearing condition: ('State' NOT EQUAL 'Pending Identification')		
Remedial action: A configuration error has occurred that must be corrected. The eNodeB does not have a system name. The name can be configured by selecting the alarm, opening the associated properties form for the alarmed object and configuring the system name.		

Table 16-329 UnmanageFailed

Alarm	Attributes	Applicable major NE releases
Name: UnmanageFailed (300) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.NodeDiscoveryControl	Severity: warning Implicitly cleared: true Default probable cause: unableToDeleteNode (231)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an attempt to unmanage an NE fails.		
Raising condition: ('Site State' EQUAL 'unmanage failed')		
Clearing condition: ('Site State' NOT EQUAL 'unmanage failed')		
Remedial action: Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 16-330 unsupportedPortUsage

Alarm	Attributes	Applicable major NE releases
Name: unsupportedPortUsage (5184) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: warning Implicitly cleared: true Default probable cause: incompatiblePortUsage (2100)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised in case unsupported port type is configured		
Raising condition: (('portId' >= '1L') AND ('portId' <= '4L') AND ('specificCardType' EQUAL 'EASv2') AND (('Port Usage' EQUAL 'MPT-HC') OR ('Port Usage' EQUAL 'MPT-MC')))"		
Clearing condition: NOT (((('portId' >= '1L') AND ('portId' <= '4L') AND ('specificCardType' EQUAL 'EASv2') AND (('Port Usage' EQUAL 'MPT-HC') OR ('Port Usage' EQUAL 'MPT-MC')))))"		
Remedial action: This alarm indicates unsupported port usage. Port usage configured on the NE is not supported by SAM.		

Table 16-331 UpgradedBuildVersionMismatch

Alarm	Attributes	Applicable major NE releases
Name: UpgradedBuildVersionMismatch (174) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: upgradedImageNotBooted (137)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the software version that an NE reports after a software upgrade does not match the version of the software used for the upgrade.		
Raising condition: ('upgradedBuildVersionMismatch' EQUAL 'true')		
Clearing condition: ('upgradedBuildVersionMismatch' EQUAL 'false')		
Remedial action: Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 16-332 upgradedCardAlarm

Alarm	Attributes	Applicable major NE releases
Name: upgradedCardAlarm (255) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: upgradedCard (194)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the standby CPM is rebooted and operational after a software upgrade. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
Raising condition: ('operationalState' EQUAL 'Upgrade')		
Clearing condition: ('operationalState' EQUAL 'Up')		
Remedial action: Informational - no corrective action required.		

Table 16-333 VersionConfigRestoreFailed

Alarm	Attributes	Applicable major NE releases
Name: VersionConfigRestoreFailed (536) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: versionMismatch (405)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the restore procedure on an NE fails because of a mismatch between the backup file set version and the NE software version.		
Raising condition: ('lastNmsVersionRestoreState' EQUAL 'Failure')		
Clearing condition: ('lastNmsVersionRestoreState' EQUAL 'Success')		
Remedial action: The backup files being restored do not match with the version of node software release. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

Table 16-334 VideoInterfaceDown

Alarm	Attributes	Applicable major NE releases
Name: VideoInterfaceDown (794) Type: VideoInterfaceAlarm (72) Package: service Raised on class: service.VideoInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a video interface is operationally down. The alarm clears when the video interface is operationally up.		
Raising condition: ('Operational State' NOT EQUAL 'Up')		
Clearing condition: ('Operational State' EQUAL 'Up')		
Remedial action: Check the configuration and the underlying physical interface.		

Table 16-335 VirtualLinkDown

Alarm	Attributes	Applicable major NE releases
Name: VirtualLinkDown (122) Type: VirtualLinkAlarm (21) Package: ospf Raised on class: ospf.VirtualLink	Severity: warning Implicitly cleared: true Default probable cause: VirtualLinkDown (104)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a virtual link is Down.		
Raising condition: ('Operational State' EQUAL 'Down')		
Clearing condition: ('Operational State' NOT EQUAL 'Down')		
Remedial action: This alarm is raised when the OSPF virtual link is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 16-336 VirtualNeighborDown

Alarm	Attributes	Applicable major NE releases
Name: VirtualNeighborDown (123) Type: VirtualNeighborDown (22) Package: ospf Raised on classes: <ul style="list-style-type: none"> • ospf.ShamLink • ospf.VirtualLink 	Severity: warning Implicitly cleared: true Default probable cause: VirtualNeighborDown (105)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a neighbor virtual link is operationally down.		
Raising condition: ('neighborCount' EQUAL '0L')		
Clearing condition: ('neighborCount' NOT EQUAL '0L')		
Remedial action: This alarm is raised when the OSPF neighbor virtual link is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 16-337 VRtrIfDDosDynamicExceeded

Alarm	Attributes	Applicable major NE releases
Name: VRtrIfDDosDynamicExceeded (4887) Type: securityServiceOrMechanismViolation (92) Package: rtr Raised on class: rtr.VirtualInterface	Severity: warning Implicitly cleared: true Default probable cause: ExceedingPolicingParameters (1950)	<ul style="list-style-type: none"> • 11.0 • 12.0

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when the protocol on a particular network interface has been detected as non-conformant to the associated distributed CPU protection policy parameters (on receiving vRtrIfDcpDynamicExcd trap) and the alarm status is set as non-conformant. When the network interface starts hold-down period for an exceeding protocol (on receiving vRtrIfDcpDynamicHoldDownStart trap), the alarm status will change into non-conformant(Hold Down Start). When the network interface completes hold-down period for an exceeding protocol (on receiving vRtrIfDcpDynamicHoldDownEnd trap), the alarm status will be changed into non-conformant(Hold Down End). When the protocol for the network interface has been detected as conformant for a period of the configured detection-time after having been previously detected as exceeding and completed any hold-down period (on receiving vRtrIfDcpDynamicConform trap), the alarm will be cleared.		
Remedial action: Appropriate configuration changes to the distributed CPU protection policy or to the affected network interface may be required.		

(2 of 2)

Table 16-338 VRtrIfDDosLocMonitorExceeded

Alarm	Attributes	Applicable major NE releases
Name: VRtrIfDDosLocMonitorExceeded (4888) Type: securityServiceOrMechanismViolation (92) Package: rtr Raised on class: rtr.VirtualInterface	Severity: warning Implicitly cleared: true Default probable cause: ExceedingPolicingParameters (1950)	<ul style="list-style-type: none"> 11.0 12.0
Description: The alarm is raised when the local-monitoring-policer for a particular network interface has transitioned from a conformant state to a non-conformant state and the system will attempt to allocate dynamic enforcement policers (on receiving sapDcpLocMonExcd trap), and the alarm status is set as non-conformant. When all dynamic enforcement policers associated with a non-conformant local-monitoring-policer have been successfully allocated for the network interface (on receiving sapDcpLocMonExcdAllDynAlloc trap), the alarm status will be changed into non-conformant(Located All). When the local-monitoring-policer for a particular network interface has transitioned from a conformant state to a non-conformant state and the system cannot allocate all the dynamic enforcement policers associated with the distributed CPU protection policy (on receiving sapDcpLocMonExcdDynResource trap), the alarm status will be changed into non-conformant(Cannot Allocate All). When all the previously allocated dynamic enforcement policers for a particular local-monitoring-policer on the associated distributed CPU protection policy have been freed up and all the protocols are once again being monitored by local-monitor (on receiving sapDcpLocMonExcdAllDynFreed trap), the alarm will be cleared.		
Remedial action: Appropriate configuration changes to the distributed CPU protection policy or to the affected network interface may be required.		

Table 16-339 VRtrIfDDosStaticExceeded

Alarm	Attributes	Applicable major NE releases
Name: VRtrIfDDosStaticExceeded (4889) Type: securityServiceOrMechanismViolation (92) Package: rtr Raised on class: rtr.VirtualInterface	Severity: warning Implicitly cleared: true Default probable cause: ExceedingPolicingParameters (1950)	<ul style="list-style-type: none"> 11.0 12.0

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when the static-policer on a particular network interface has been detected as non-conformant to the associated distributed CPU protection policy parameters (on receiving vRtrIfDcpStaticExcd trap) and the alarm status is set as non-conformant. When the network interface starts hold-down period for the exceeding static-policer (on receiving vRtrIfDcpStaticHoldDownStart trap), the alarm status will change into non-conformant(Hold Down Start). When the network interface ends hold-down period for the exceeding static-policer (on receiving vRtrIfDcpStaticHoldDownEnd trap), the alarm status will be changed into non-conformant(Hold Down End). When the static-policer for the network interface has been detected as conformant for a period of the configured detection-time after having been previously detected as exceeding and completed any hold-down period (on receiving vRtrIfDcpStaticConform trap), the alarm will be cleared.		
Remedial action: Appropriate configuration changes to the distributed CPU protection policy or to the affected network interface may be required.		

(2 of 2)

Table 16-340 WaveTrackerEncoderDegrade

Alarm	Attributes	Applicable major NE releases
Name: WaveTrackerEncoderDegrade (821) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.WaveLengthTracker	Severity: major Implicitly cleared: true Default probable cause: EncoderDegrade (584)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a device reports an encoder degradation on a wavelength tracker interface.		
Raising condition: (('Configured Alarms'anyBit'Encoder Degrade') AND ('Reported Alarms'anyBit'Encoder Degrade'))		
Clearing condition: NOT (('Configured Alarms'anyBit'Encoder Degrade') AND ('Reported Alarms'anyBit'Encoder Degrade'))		
Remedial action: The OT or SVAC card has detected a DSP failure and this means that the wavelength tracker encode power control is compromised. If this occurs during steady state operation, there is a high probability that the services carried by this OT or SVAC are unaffected. To clear this alarm, replace the card. The card replacement procedure is service affecting and should be conducted during a maintenance window.		

Table 16-341 WaveTrackerEncoderFailure

Alarm	Attributes	Applicable major NE releases
Name: WaveTrackerEncoderFailure (822) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.WaveLengthTracker	Severity: major Implicitly cleared: true Default probable cause: EncoderFailure (585)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a device reports an encoder failure on a wavelength tracker interface.		
Raising condition: (('Configured Alarms'anyBit'Encoder Failure') AND ('Reported Alarms'anyBit'Encoder Failure'))		
Clearing condition: NOT (('Configured Alarms'anyBit'Encoder Failure') AND ('Reported Alarms'anyBit'Encoder Failure'))		
Remedial action: A cold reset, reseal, or replacement of a card is service impacting if the card is currently carrying services. If there are services currently carried over the card, it may be best to wait for a maintenance window before resetting, replacing, or resealing the card. Confirm that replacement OT or SVAC card supports the same band as the alarmed OT or SVAC card and connect all fibers to the replacement OT or SVAC card.		

Table 16-342 WaveTrackerMissingPluggableVOA

Alarm	Attributes	Applicable major NE releases
Name: WaveTrackerMissingPluggableVOA (4618) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.WaveLengthTracker	Severity: major Implicitly cleared: true Default probable cause: MissingPluggableVOA (1887)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a device reports a power control high limit on a wavelength tracker interface.		
Raising condition: (('Configured Alarms'anyBit'Missing Pluggable VOA') AND ('Reported Alarms'anyBit'Missing Pluggable VOA'))		
Clearing condition: NOT (((('Configured Alarms'anyBit'Missing Pluggable VOA') AND ('Reported Alarms'anyBit'Missing Pluggable VOA'))))		
Remedial action: Informational - no corrective action required.		

Table 16-343 WaveTrackerPowerControlDegrade

Alarm	Attributes	Applicable major NE releases
Name: WaveTrackerPowerControlDegrade (823) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.WaveLengthTracker	Severity: major Implicitly cleared: true Default probable cause: PowerControlDegrade (586)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a device reports a power control degradation on a wavelength tracker interface.		
Raising condition: (('Configured Alarms'anyBit'Power Control Degrade') AND ('Reported Alarms'anyBit'Power Control Degrade'))		
Clearing condition: NOT (((('Configured Alarms'anyBit'Power Control Degrade') AND ('Reported Alarms'anyBit'Power Control Degrade'))))		
Remedial action: check to see that the fibering for that card is correct. Remove the fiber from the Tx port on the transponder card. If the condition clears after 20 seconds, then this is a misfibering problem.		

Table 16-344 WaveTrackerPowerControlFailure

Alarm	Attributes	Applicable major NE releases
Name: WaveTrackerPowerControlFailure (824) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.WaveLengthTracker	Severity: critical Implicitly cleared: true Default probable cause: PowerControlFailure (587)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a device reports a power control failure on a wavelength tracker interface.		
Raising condition: (('Configured Alarms'anyBit'Power Control Failure') AND ('Reported Alarms'anyBit'Power Control Failure'))		
Clearing condition: NOT (((('Configured Alarms'anyBit'Power Control Failure') AND ('Reported Alarms'anyBit'Power Control Failure'))))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: Either alarmed card has detected equipment problem or there is misfibering problem such that a light-emitting fiber has been plugged into the Tx port of aWavelength Tracker encoder-equipped transponder card.If the card is a transponder card that is equipped with aWavelength Tracker encoder, check to see that the fibering for that card is correct. Remove the fiber from the Tx port on the transponder card. If the condition clears after 20 seconds, then this is a misfibering problem.the card is an SVAC, or if there is no fibering problem on the transponder card.Disconnect all fibers on the alarmed card and Replace the card. connect all fibers to the replacement card		

(2 of 2)

Table 16-345 WaveTrackerPowerControlHighlimit

Alarm	Attributes	Applicable major NE releases
Name: WaveTrackerPowerControlHighlimit (825) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.WaveLengthTracker	Severity: major Implicitly cleared: true Default probable cause: PowerControlHighlimit (588)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a device reports a power control high limit on a wavelength tracker interface.		
Raising condition: (('Configured Alarms'anyBit'Power Control High limit reached') AND ('Reported Alarms'anyBit'Power Control High limit reached'))		
Clearing condition: NOT (((('Configured Alarms'anyBit'Power Control High limit reached') AND ('Reported Alarms'anyBit'Power Control High limit reached'))))		
Remedial action: Informational - no corrective action required.		

Table 16-346 WaveTrackerPowerControllowlimit

Alarm	Attributes	Applicable major NE releases
Name: WaveTrackerPowerControllowlimit (826) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.WaveLengthTracker	Severity: major Implicitly cleared: true Default probable cause: PowerControllowlimit (589)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when a device reports a power control low limit on a wavelength tracker interface.		
Raising condition: (('Configured Alarms'anyBit'Power Control Low limit reached') AND ('Reported Alarms'anyBit'Power Control Low limit reached'))		
Clearing condition: NOT (((('Configured Alarms'anyBit'Power Control Low limit reached') AND ('Reported Alarms'anyBit'Power Control Low limit reached'))))		
Remedial action: Informational - no corrective action required.		

Table 16-347 WlanGwlsaGrpDown

Alarm	Attributes	Applicable major NE releases
Name: WlanGwlsaGrpDown (3914) Type: equipmentAlarm (3) Package: wlangw Raised on class: wlangw.WlanGwlsaGroup	Severity: major Implicitly cleared: true Default probable cause: WlanGwlsaGrpDown (1500)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0
Description: The alarm is raised when the Operational State of an WLAN GW ISA group is Down and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: The operational state of the ISA-WLAN GW Group is down, despite the administrative state being up. Check that the configured ISA-WLAN GW Group Member MDA(s) are active and operationally up. There may be a fault with the ISA Application WLAN GW Group.		

Table 16-348 WlanGwResrcProblemDetected

Alarm	Attributes	Applicable major NE releases
Name: WlanGwResrcProblemDetected (3889) Type: resourceAlarm (28) Package: netw Raised on class: netw.NetworkElement	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0
Description: The alarm is raised when there is a resource problem detected while attempting to activate some part of the WLAN Gateway configuration of this system.		
Remedial action: The alarm is raised when there is a resource problem detected while attempting to activate some part of the WLAN Gateway configuration of this system.		

Table 16-349 WrongCpaaSoftwareVersion

Alarm	Attributes	Applicable major NE releases
Name: WrongCpaaSoftwareVersion (791) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: wrongCpaaSoftwareVersion (559)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when the 7701 CPAA software is the wrong version and requires an upgrade.		
Raising condition: (('Software Version' EQUAL "\"TIMOS-B-3.0.Generic \") AND ('Chassis Type' EQUAL '7701 CPAA'))		
Clearing condition: (('Software Version' NOT EQUAL "\"TIMOS-B-3.0.Generic \") AND ('Chassis Type' EQUAL '7701 CPAA'))		
Remedial action: The SW version of the CPAA must be upgraded to the version compatible with CPAM version.		

Table 16-350 XplError

Alarm	Attributes	Applicable major NE releases
Name: XplError (573) Type: hardwareAnomaly (55) Package: equipment Raised on class: equipment.DaughterCard	Severity: minor Implicitly cleared: true Default probable cause: xplError (443)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 12.0 • 9.0
Description: The alarm is raised when an MDA reports persistent XPL Errors.		
Raising condition: ('Number Of Notifications' NOT EQUAL '0')		
Clearing condition: ('Number Of Notifications' EQUAL '0')		
Remedial action: Informational - if the condition persists then the MDA indicated in the alarm should be replaced.		

17 — Alcatel-Lucent 7750 SR MG alarms



Note — Some alarms that the 5620 SAM can raise against this device may not be listed in this chapter. Associating alarms with specific NE types is an ongoing Alcatel-Lucent effort. If the 5620 SAM raises an alarm against this device type, and the alarm is not described in this chapter, see chapter 35 for information about the alarm.

Table 17-1 AaPolicerResourcesExceeded

Alarm	Attributes	Applicable major NE releases
Name: AaPolicerResourcesExceeded (2930) Type: configurationAlarm (11) Package: aapolicy Raised on class: aapolicy.AaSubOvrd	Severity: warning Implicitly cleared: false Default probable cause: AaPolicerResourcesExceeded (1124)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when Application Assurance configured override values exceed policer resources.		
Raising condition: (('Policer Resource Status' EQUAL 'Exceeded'))		
Clearing condition: (('Policer Resource Status' NOT EQUAL 'Exceeded'))		
Remedial action: The Application Assurance Subscriber Policy override(s) configuration has exceeded the policer resources. Remove overrides of a policy configuration for an Application Assurance subscriber where this may be occurring. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 17-2 AccessInterfaceDown

Alarm	Attributes	Applicable major NE releases
Name: AccessInterfaceDown (249) Type: AccessInterfaceAlarm (32) Package: service Raised on class: service.AccessInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when an L2 or L3 interface operational state is Down. The alarm is not raised against an L2 access interface that is associated with an MC ring or MC LAG in the standby state.		
Raising condition: (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'Standby For MC-Ring') AND ('State Cause' NOT EQUAL 'Standby For MC-Lag') AND ('State Cause' NOT EQUAL 'Standby For BGP Multi-homing'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'Standby For MC-Ring') OR ('State Cause' EQUAL 'Standby For MC-Lag') OR ('State Cause' EQUAL 'Standby For BGP Multi-homing'))		
Remedial action: The condition exists because the physical interface is down either because it is administratively disabled, faulty or a cabling fault has occurred. Ensure that the interface is administratively up. Check for a poor cable connection to the port or for a faulty cable/fiber. If neither appears to be the problem run diagnostics on the port to determine if it is faulty.		

Table 17-3 ActiveAbnormalCondition

Alarm	Attributes	Applicable major NE releases
Name: ActiveAbnormalCondition (3938) Type: activeAbnormalConditionAlarm (116) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ActiveAbnormalConditionState (1520)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is an indication for abnormal condition on NE.		
Raising condition: ('abnormalCondition' EQUAL 'true')		
Clearing condition: ('abnormalCondition' EQUAL 'false')		
Remedial action: This alarm is raised when there is a abnormal state indication on NE.		

Table 17-4 AGWDiameterPeerDown

Alarm	Attributes	Applicable major NE releases
Name: AGWDiameterPeerDown (844) Type: EpcAlarm (59) Package: lte Raised on class: lte.AGWDiameterPeer	Severity: variable Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the path management state of a Diameter peer changes to a state other than Up.		
Raising condition: ('Path Diameter Management State' NOT EQUAL 'Active')		
Clearing condition: ('Path Diameter Management State' EQUAL 'Active')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

(2 of 2)

Table 17-5 AGWGTPPMIPPeerDown

Alarm	Attributes	Applicable major NE releases
Name: AGWGTPPMIPPeerDown (1120) Type: EpcAlarm (59) Package: Ite Raised on class: Ite.AGWGTPPMIPPeer	Severity: variable Implicitly cleared: true Default probable cause: AGWGTPPMIPPeerDown (832)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the pathManagementState of this EPS peer is not Up.		
Raising condition: ('Path Management State' EQUAL 'Fault')		
Clearing condition: ('Path Management State' EQUAL 'Up')		
Remedial action: A GTP/PMIP based reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

Table 17-6 AGWGTPPMIPPeerLastRestartInfo

Alarm	Attributes	Applicable major NE releases
Name: AGWGTPPMIPPeerLastRestartInfo (5189) Type: EpcAlarm (59) Package: Ite Raised on class: Ite.AGWGTPPMIPPeer	Severity: info Implicitly cleared: false Default probable cause: AGWGTPPMIPPeerRestart (1581)	<ul style="list-style-type: none"> • 5.0 • 6.0
Description: The alarm is raised when the pathManagementState of this EPS path is restart and have restart reason and counters information.		
Remedial action: Informational - This alarm give you Peer restart reason and counters information.		

Table 17-7 AGWGTPPMIPPeerRestart

Alarm	Attributes	Applicable major NE releases
Name: AGWGTPPMIPPeerRestart (4415) Type: EpcAlarm (59) Package: Ite Raised on class: Ite.AGWGTPPMIPPeer	Severity: variable Implicitly cleared: true Default probable cause: AGWGTPPMIPPeerRestart (1581)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0

(1 of 2)

17 – Alcatel-Lucent 7750 SR MG alarms

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when the pathManagementState of this EPS path is restart.		
Raising condition: ('Path Management State' EQUAL 'Restart')		
Clearing condition: ('Path Management State' NOT EQUAL 'Restart')		
Remedial action: A path restart is triggered on GTP/PMIP based peer for various reasons: Card reset, or transport issues between MME and SGW, check that the card is operational and check that the underlying transport network is up.		

(2 of 2)

Table 17-8 AncillaryPathLimitReached

Alarm	Attributes	Applicable major NE releases
Name: AncillaryPathLimitReached (459) Type: resourceAlarm (28) Package: equipment Raised on class: equipment.DaughterCard	Severity: warning Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the Ingress Multicast Path Management ancillary path bandwidth limit is reached.		
Raising condition: (('Ancillary Path Limit Override' > '0') AND ('Ancillary Path In use' >= (1000 * 'Ancillary Path Limit Override'))"		
Clearing condition: (('Ancillary Path Limit Override' > '0') AND ('Ancillary Path In use' < (1000 * 'Ancillary Path Limit Override'))"		
Remedial action: Informational - The alarm is raised when the Ingress Multicast Path Management ancillary path bandwidth limit is reached. This can be remedied by modifying the ancillary path limit located at T1 Paths tab of the multicast bandwidth policy which assigned to the card, or increase the ancillary path limit override located at the Daughter Card tab under Daughter Card Slot form.		

Table 17-9 AreaTypeMismatch

Alarm	Attributes	Applicable major NE releases
Name: AreaTypeMismatch (38) Type: configurationAlarm (11) Package: ospf Raised on class: ospf.Area	Severity: warning Implicitly cleared: true Default probable cause: areaTypeMisconfigured (34)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when an OSPF area on one NE is configured as an NSSA and the same OSPF area on another NE is configured as a stub area.		
Raising condition: ('Type Mismatch' EQUAL 'true')		
Clearing condition: ('Type Mismatch' EQUAL 'false')		
Remedial action: A configuration error has been made which must be corrected. The OSPF area type configured for the NE does not match with the same OSPF area configured on another NE. Compare the configuration on the endpoint and correct the mismatch.		

Table 17-10 AsymmetricalConfig (lag)

Alarm	Attributes	Applicable major NE releases
Name: AsymmetricalConfig (295) Type: configurationAlarm (11) Package: lag Raised on classes: <ul style="list-style-type: none"> lag.MultiChassisLag lag.MultiChassisLagMember 	Severity: major Implicitly cleared: true Default probable cause: asymmetricalConfig (226)	<ul style="list-style-type: none"> 4.0 5.0 6.0
Description: The alarm is raised when the members of an MC LAG do not have matching configurations.		
Raising condition: ('configMismatches' NOT EQUAL '0L')		
Clearing condition: ('configMismatches' EQUAL '0L')		
Remedial action: Check configurations on both members to see anything not matched.		

Table 17-11 AsymmetricalConfig (multichassis)

Alarm	Attributes	Applicable major NE releases
Name: AsymmetricalConfig (295) Type: configurationAlarm (11) Package: multichassis Raised on classes: <ul style="list-style-type: none"> multichassis.AbstractMultiChassisLag multichassis.MultiChassisLagMember multichassis.AbstractMultiChassisPeer 	Severity: major Implicitly cleared: true Default probable cause: asymmetricalConfig (226)	<ul style="list-style-type: none"> 4.0 5.0 6.0
Description: The alarm is raised when there is a peer configuration mismatch that prevents MC operation.		
Raising condition: ('Config Mismatches' NOT EQUAL '0L')		
Clearing condition: ('Config Mismatches' EQUAL '0L')		
Remedial action: Check configurations on both members to see anything not matched.		

Table 17-12 AuthKeyConflict (rsvp)

Alarm	Attributes	Applicable major NE releases
Name: AuthKeyConflict (5188) Type: processingErrorAlarm (81) Package: rsvp Raised on class: rsvp.AuthenticationKey	Severity: warning Implicitly cleared: true Default probable cause: AuthKeyConflict (2103)	<ul style="list-style-type: none"> 4.0 5.0 6.0
Description: The alarm is raised when both Authentication Key and RSVP Keychain are configured. RSVP Keychain will be used.		
Raising condition: (('RSVP Keychain' NOT EQUAL '') AND ('enableAuthentication' EQUAL 'true'))		
Clearing condition: (('RSVP Keychain' EQUAL '') OR ('enableAuthentication' NOT EQUAL 'true'))		

(1 of 2)

17 — Alcatel-Lucent 7750 SR MG alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: Authentication Key and RSVP Keychain are both configured. RSVP Keychain will be used. The alarm is cleared when only one is configured.		

(2 of 2)

Table 17-13 AuxiliaryServerStatus

Alarm	Attributes	Applicable major NE releases
Name: AuxiliaryServerStatus (311) Type: communicationsAlarm (4) Package: server Raised on class: server.AuxiliaryServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when a 5620 SAM main server cannot communicate with an auxiliary server. The alarm clears when communication is restored.		
Raising condition: ('Server Status' EQUAL 'Down')		
Clearing condition: ('Server Status' EQUAL 'Up')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the AUX and SAM servers is unreliable.		

Table 17-14 BerLineSignalDegradation

Alarm	Attributes	Applicable major NE releases
Name: BerLineSignalDegradation (88) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: berLineSignalDegradation (74)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when a SONET port reports a line signal degradation BER error. The alarm corresponds to the lb2er-sd alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'BER Line Signal Degradation') AND ('Report Alarms'anyBit'BER Line Signal Degradation'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'BER Line Signal Degradation') AND ('Report Alarms'anyBit'BER Line Signal Degradation'))		
Remedial action: Informational only.		

Table 17-15 BerLineSignalFailure

Alarm	Attributes	Applicable major NE releases
Name: BerLineSignalFailure (89) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: berLineSignalFailure (75)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when a SONET port reports a line signal degradation BER error. The alarm corresponds to the lb2er-sf alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'BER Line Signal Failure') AND ('Report Alarms'anyBit'BER Line Signal Failure'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'BER Line Signal Failure') AND ('Report Alarms'anyBit'BER Line Signal Failure'))))		
Remedial action: Informational only.		

Table 17-16 BfdInterfaceConnectionBroken

Alarm	Attributes	Applicable major NE releases
Name: BfdInterfaceConnectionBroken (3329) Type: serviceAlarm (16) Package: vrrp Raised on class: vrrp.BfdInterface	Severity: minor Implicitly cleared: true Default probable cause: bfdSessionConnectionBroken (593)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the BFD connection to a peer times out.		
Raising condition: ('Operational State' EQUAL 'Timed Out')		
Clearing condition: ('Operational State' NOT EQUAL 'Timed Out')		
Remedial action: Check the peer router, fix the BFD connection		

Table 17-17 BfdInterfaceConnectionDown

Alarm	Attributes	Applicable major NE releases
Name: BfdInterfaceConnectionDown (3330) Type: serviceAlarm (16) Package: vrrp Raised on class: vrrp.BfdInterface	Severity: minor Implicitly cleared: true Default probable cause: bfdSessionDown (346)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the Operational State of a BFD session is Not Connected.		
Raising condition: ('Operational State' NOT EQUAL 'Operational')		
Clearing condition: ('Operational State' EQUAL 'Operational')		
Remedial action: Check the BFD interface configuration, fix the BFD connection		

Table 17-18 BfdInterfaceConnectionPeerDetectsDown

Alarm	Attributes	Applicable major NE releases
Name: BfdInterfaceConnectionPeerDetectsDown (3331) Type: serviceAlarm (16) Package: vrrp Raised on class: vrrp.BfdInterface	Severity: minor Implicitly cleared: true Default probable cause: bfdSessionConnectionPeerDetectsDown (594)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when a BFD peer detects a connection timeout.		
Raising condition: ('Operational State' EQUAL 'Down')		
Clearing condition: ('Operational State' NOT EQUAL 'Down')		
Remedial action: Fix the BFD connection		

Table 17-19 BgpDown

Alarm	Attributes	Applicable major NE releases
Name: BgpDown (6) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when a BGP instance has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: The BGP protocol entity is down - administratively disable BGP and re-enable. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 17-20 BITS2NotQualified

Alarm	Attributes	Applicable major NE releases
Name: BITS2NotQualified (1941) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: timingReferenceNotQualified (418)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the BITS-2 timing reference on an NE is not in the Qualified state.		
Raising condition: (('Qualified For Use' EQUAL 'Not Qualified') AND ('Input Administrative State' NOT EQUAL 'Down'))		
Clearing condition: (('Qualified For Use' NOT EQUAL 'Not Qualified') OR ('Input Administrative State' EQUAL 'Down'))		
Remedial action: Make sure that BITS2 is qualified		

Table 17-21 BITSNotQualified

Alarm	Attributes	Applicable major NE releases
Name: BITSNotQualified (547) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: timingReferenceNotQualified (418)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the BITS timing reference on an NE is not in the Qualified state.		
Raising condition: (('Qualified For Use' EQUAL 'Not Qualified') AND ('Output Administrative State' NOT EQUAL 'Down'))		
Clearing condition: (('Qualified For Use' NOT EQUAL 'Not Qualified') OR ('Output Administrative State' EQUAL 'Down'))		
Remedial action: Make sure that BITS is qualified		

Table 17-22 BITSReferenceLossOfSignal

Alarm	Attributes	Applicable major NE releases
Name: BITSReferenceLossOfSignal (1950) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: BITSReferenceLossOfSignal (938)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the BITS reference on an NE is not qualified due to Loss of Signal.		
Raising condition: (('Not Qualified Due To'anyBit'LOS'))		
Clearing condition: NOT (('Not Qualified Due To'anyBit'LOS'))		
Remedial action: Make sure that peer connected to BITS is properly configured.		

Table 17-23 BITSReferenceOutOfFrequency

Alarm	Attributes	Applicable major NE releases
Name: BITSReferenceOutOfFrequency (1951) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: BITSReferenceOutOfFrequency (939)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the BITS Reference on an NE is not qualified due to Out of frequency.		
Raising condition: (('Not Qualified Due To'anyBit'OOF'))		
Clearing condition: NOT (('Not Qualified Due To'anyBit'OOF'))		
Remedial action: Make sure that frequency configured for BITS is correct.		

Table 17-24 BITSReferenceOutOfPollInRange

Alarm	Attributes	Applicable major NE releases
Name: BITSReferenceOutOfPollInRange (1952) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: BITSReferenceOutOfPollInRange (940)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the BITS Reference on an NE is not qualified state due to Out of poll in range.		
Raising condition: (('Not Qualified Due To'anyBit'OOPIR'))		
Clearing condition: NOT (('Not Qualified Due To'anyBit'OOPIR'))		
Remedial action: Check the BITS is configured correctly. Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary		

Table 17-25 BootableConfigBackupFailed

Alarm	Attributes	Applicable major NE releases
Name: BootableConfigBackupFailed (103) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the 5620 SAM fails to back up a set of NE configuration files.		
Raising condition: ('Backup State' EQUAL 'Failure')		
Clearing condition: ('Backup State' EQUAL 'Success')		
Remedial action: Investigation is required to resolve the following possible scenarios: insufficient disk space is available to accommodate the NE configuration files (additional SAM platform alarms will accompany this alarm); the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

Table 17-26 BootableConfigRestoreFailed

Alarm	Attributes	Applicable major NE releases
Name: BootableConfigRestoreFailed (104) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the 5620 SAM fails to restore a set of NE configuration files.		
Raising condition: ('Restore State' EQUAL 'Failure')		
Clearing condition: ('Restore State' EQUAL 'Success')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: Investigation is required to resolve the following possible scenarios: the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

(2 of 2)

Table 17-27 BootParametersMisconfigured

Alarm	Attributes	Applicable major NE releases
Name: BootParametersMisconfigured (35) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: persistentIndexFailure (30) Applicable probable causes: <ul style="list-style-type: none"> • persistentIndexFailure • configFileBootFailure 	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the SNMP Index Boot Status on an NE is not set to Persistent.		
Raising condition: (('isGenericNode' EQUAL 'false') AND ('State' NOT EQUAL 'Pre-provisioned') AND (('Config File Status' NOT EQUAL 'Executed Successfully') OR ('Persistent Index Status' NOT EQUAL 'Rebuild Succeeded')))		
Clearing condition: (('Config File Status' EQUAL 'Executed Successfully') AND ('Persistent Index Status' EQUAL 'Rebuild Succeeded'))		
Remedial action: Ensure that "SNMP Index Boot Status" is persistent (using cli command "show system information" on the NE). If not, unmanage the network element from SAM, ensure that "persist on" is set in the bof file, save the bof, save a config file, verify that an index file (.ndx) is saved as well, reboot the router, verify that SNMP Index Boot Status is persistent and finally remanage the router from SAM.		

Table 17-28 BundleDown

Alarm	Attributes	Applicable major NE releases
Name: BundleDown (152) Type: equipmentAlarm (3) Package: bundle Raised on class: bundle.Interface	Severity: critical Implicitly cleared: true Default probable cause: bundleDown (128)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the bundle Administrative State is Up and the Operational State is Down.		
Raising condition: (('Protection Type' EQUAL 'None') AND ('Administrative State' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up') AND ('specificCardType' NOT EQUAL '16 x E1 (ASAP)'))		
Clearing condition: (('Protection Type' NOT EQUAL 'None') OR ('operationalState' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: Informational - no corrective action required.		

Table 17-29 CcagDown

Alarm	Attributes	Applicable major NE releases
Name: CcagDown (210) Type: equipmentAlarm (3) Package: ccag Raised on class: ccag.CrossConnectAggregationGroup	Severity: major Implicitly cleared: true Default probable cause: CcagDown (163)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the CCAG Administrative State is Up and the Operational State is Down.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: Informational - no corrective action required.		

Table 17-30 CesBfrOverrun

Alarm	Attributes	Applicable major NE releases
Name: CesBfrOverrun (448) Type: communicationsAlarm (4) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: major Implicitly cleared: true Default probable cause: bufferOverrun (322)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the 5620 SAM detects a jitter buffer overrun.		
Raising condition: (('Report Alarm Status'anyBit'Buffer Overrun') AND ('Report Alarm'anyBit'Buffer Overrun'))		
Clearing condition: NOT (((('Report Alarm Status'anyBit'Buffer Overrun') AND ('Report Alarm'anyBit'Buffer Overrun'))))		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 17-31 CesBfrUnderrun

Alarm	Attributes	Applicable major NE releases
Name: CesBfrUnderrun (449) Type: communicationsAlarm (4) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: major Implicitly cleared: true Default probable cause: bufferOverrun (322)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the 5620 SAM detects a jitter buffer underrun.		
Raising condition: (('Report Alarm Status'anyBit'Buffer Underrun') AND ('Report Alarm'anyBit'Buffer Underrun'))		
Clearing condition: NOT (((('Report Alarm Status'anyBit'Buffer Underrun') AND ('Report Alarm'anyBit'Buffer Underrun'))))		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 17-32 CesMalformedPkts

Alarm	Attributes	Applicable major NE releases
Name: CesMalformedPkts (446) Type: communicationsAlarm (4) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: major Implicitly cleared: true Default probable cause: malformedPackets (320)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the 5620 SAM detects one or more malformed packets.		
Raising condition: (('Report Alarm Status'anyBit'Malformed Packets') AND ('Report Alarm'anyBit'Malformed Packets'))		
Clearing condition: NOT (((('Report Alarm Status'anyBit'Malformed Packets') AND ('Report Alarm'anyBit'Malformed Packets'))		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 17-33 CesPktLoss

Alarm	Attributes	Applicable major NE releases
Name: CesPktLoss (447) Type: communicationsAlarm (4) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: major Implicitly cleared: true Default probable cause: lossOfPacket (321)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the 5620 SAM detects a packet loss.		
Raising condition: (('Report Alarm Status'anyBit'Packet Loss') AND ('Report Alarm'anyBit'Packet Loss'))		
Clearing condition: NOT (((('Report Alarm Status'anyBit'Packet Loss') AND ('Report Alarm'anyBit'Packet Loss'))		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 17-34 CesRmtPktLoss

Alarm	Attributes	Applicable major NE releases
Name: CesRmtPktLoss (450) Type: communicationsAlarm (4) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: minor Implicitly cleared: true Default probable cause: farEndLossOfPacket (323)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the 5620 SAM detects a remote packet loss.		
Raising condition: (('Report Alarm Status'anyBit'Remote Packet Loss') AND ('Report Alarm'anyBit'Remote Packet Loss'))		
Clearing condition: NOT (((('Report Alarm Status'anyBit'Remote Packet Loss') AND ('Report Alarm'anyBit'Remote Packet Loss'))		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 17-35 CesRmtRdi

Alarm	Attributes	Applicable major NE releases
Name: CesRmtRdi (452) Type: configurationAlarm (11) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: minor Implicitly cleared: false Default probable cause: farEndRdi (325)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the 5620 SAM detects a remote RDI.		
Raising condition: (('Report Alarm Status'anyBit'Remote RDI') AND ('Report Alarm'anyBit'Remote RDI'))		
Clearing condition: NOT (((('Report Alarm Status'anyBit'Remote RDI') AND ('Report Alarm'anyBit'Remote RDI'))))		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 17-36 CesRmtTdmFault

Alarm	Attributes	Applicable major NE releases
Name: CesRmtTdmFault (451) Type: configurationAlarm (11) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: minor Implicitly cleared: false Default probable cause: tdmFarEndFault (324)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the 5620 SAM detects a remote TDM fault.		
Raising condition: (('Report Alarm Status'anyBit'Remote TDM Fault') AND ('Report Alarm'anyBit'Remote TDM Fault'))		
Clearing condition: NOT (((('Report Alarm Status'anyBit'Remote TDM Fault') AND ('Report Alarm'anyBit'Remote TDM Fault'))))		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 17-37 CesStrayPkts

Alarm	Attributes	Applicable major NE releases
Name: CesStrayPkts (445) Type: communicationsAlarm (4) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: minor Implicitly cleared: true Default probable cause: strayPackets (319)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the 5620 SAM detects received stray packets.		
Raising condition: (('Report Alarm Status'anyBit'Stray Packets') AND ('Report Alarm'anyBit'Stray Packets'))		
Clearing condition: NOT (((('Report Alarm Status'anyBit'Stray Packets') AND ('Report Alarm'anyBit'Stray Packets'))))		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 17-38 CircuitStpExceptionCondition

Alarm	Attributes	Applicable major NE releases
Name: CircuitStpExceptionCondition (648) Type: SdpBindingAlarm (30) Package: l2fwd Raised on class: l2fwd.CircuitStp	Severity: major Implicitly cleared: true Default probable cause: StpException (228)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when an NE detects an STP exception condition on a SAP, for example, one-way communication or a downstream loop. The alarm clears when the STP status changes.		
Raising condition: (('STP Exception Condition' NOT EQUAL 'None') AND ('Administrative State' EQUAL 'Up'))		
Clearing condition: (('STP Exception Condition' EQUAL 'None') OR ('Administrative State' EQUAL 'Down'))		
Remedial action: Check 'STP Exception Condition' field for more details and fix the STP exception.		

Table 17-39 ClientDelegateServerStatus

Alarm	Attributes	Applicable major NE releases
Name: ClientDelegateServerStatus (731) Type: communicationsAlarm (4) Package: server Raised on class: server.ClientDelegateServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when a client delegate server is unreachable.		
Raising condition: ('Server Status' EQUAL 'Down')		
Clearing condition: ('Server Status' EQUAL 'Up')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the client delegate platform and SAM servers is unreliable or the client delegate server itself is unreliable.		

Table 17-40 ConfigurationRescueFileDeleteStatus

Alarm	Attributes	Applicable major NE releases
Name: ConfigurationRescueFileDeleteStatus (3894) Type: configurationRescueAlarm (109) Package: rollback Raised on class: rollback.RollbackNEInfo	Severity: info Implicitly cleared: false Default probable cause: configurationRescueFileDeleteOperationPerformed (1485)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when a configuration rollback rescue file delete operation is performed.		
Remedial action: Informational - If rollback rescue file deletion status indicates failed, then, the requested rescue file might not be available or check the FTP permission for the rescue location.		

Table 17-41 ConfigurationRescueFileSaveStatus

Alarm	Attributes	Applicable major NE releases
Name: ConfigurationRescueFileSaveStatus (3895) Type: configurationRescueAlarm (109) Package: rollback Raised on class: rollback.RollbackNEInfo	Severity: info Implicitly cleared: false Default probable cause: configurationRescueFileSaveOperationPerformed (1486)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when a configuration rollback rescue save operation is performed.		
Remedial action: Informational - If rollback rescue file creation status indicates failed, then, check the FTP permission for the rescue location.		

Table 17-42 ConfigurationRescueStatus

Alarm	Attributes	Applicable major NE releases
Name: ConfigurationRescueStatus (3896) Type: configurationRescueAlarm (109) Package: rollback Raised on class: rollback.RollbackNEInfo	Severity: info Implicitly cleared: false Default probable cause: configurationRescueOperationPerformed (1487)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when a configuration rollback rescue operation is performed.		
Remedial action: Informational - If rollback rescue status indicates failed, then, the rescue file might not be available or check the FTP permission for the rescue location.		

Table 17-43 ConfigurationRollBackFileDeleteStatus

Alarm	Attributes	Applicable major NE releases
Name: ConfigurationRollBackFileDeleteStatus (3897) Type: configurationRollBackAlarm (103) Package: rollback Raised on class: rollback.RollbackNEInfo	Severity: info Implicitly cleared: false Default probable cause: configurationRollBackFileDeleteOperationPerformed (1488)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when a configuration rollback file delete operation is performed.		
Remedial action: Informational - If rollback file deletion status indicates failed, then, the requested rollback file might not be available or check the FTP permission for the rollback location..		

Table 17-44 ConfigurationRollBackFileSyncStatus

Alarm	Attributes	Applicable major NE releases
Name: ConfigurationRollBackFileSyncStatus (3898) Type: configurationRollBackFileSyncAlarm (110) Package: rollback Raised on class: rollback.RollbackNEInfo	Severity: info Implicitly cleared: false Default probable cause: configurationRollBackFileSyncOperationPerformed (1489)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when a configuration rollback CPM sync operation is performed.		
Remedial action: Informational - If rollback files CPM Sync status indicates failed, then, check whether standby CPM is up.		

Table 17-45 ConfigurationRollBackSaveStatus

Alarm	Attributes	Applicable major NE releases
Name: ConfigurationRollBackSaveStatus (3899) Type: configurationRollBackAlarm (103) Package: rollback Raised on class: rollback.RollbackNEInfo	Severity: info Implicitly cleared: false Default probable cause: configurationRollBackSaveOperationPerformed (1490)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when a configuration rollback save operation is performed.		
Remedial action: Informational - If rollback file creation status indicates failed, then, check the FTP permission for the rollback location.		

Table 17-46 ConfigurationRollBackStatus (netw)

Alarm	Attributes	Applicable major NE releases
Name: ConfigurationRollBackStatus (3684) Type: configurationRollBackAlarm (103) Package: netw Raised on class: netw.NetworkElement	Severity: info Implicitly cleared: false Default probable cause: configurationRollBackOperationPerformed (1422)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when a configuration rollback operation is performed.		
Remedial action: Informational - If rollback status indicates failed, then, the requested checkpoint might not be available or NE configuration might need to be restored.		

Table 17-47 ConfigurationRollBackStatus (rollback)

Alarm	Attributes	Applicable major NE releases
Name: ConfigurationRollBackStatus (3684) Type: configurationRollBackAlarm (103) Package: rollback Raised on class: rollback.RollbackNEInfo	Severity: info Implicitly cleared: false Default probable cause: configurationRollBackOperationPerformed (1422)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when a configuration rollback operation is performed.		
Remedial action: Informational - If rollback status indicates failed, then, the requested checkpoint might not be available or NE configuration might need to be restored.		

Table 17-48 ContainingEquipmentAdministrativelyDown

Alarm	Attributes	Applicable major NE releases
Name: ContainingEquipmentAdministrativelyDown (466) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: minor Implicitly cleared: true Default probable cause: containingEquipmentAdministrativelyDown (330)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentAdministrativelyDown.		
Raising condition: (('Status' EQUAL 'Parent Admin Down') AND ('isTerminatable' EQUAL 'true'))		
Clearing condition: (('Status' NOT EQUAL 'Parent Admin Down') OR ('isTerminatable' NOT EQUAL 'true'))		
Remedial action: Informational - no corrective action required.		

Table 17-49 ContainingEquipmentMismatch

Alarm	Attributes	Applicable major NE releases
Name: ContainingEquipmentMismatch (464) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentMismatch (328)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentMismatch.		
Raising condition: (('Status' EQUAL 'Parent Type Mismatch') AND ('isTerminatable' EQUAL 'true'))		
Clearing condition: (('Status' NOT EQUAL 'Parent Type Mismatch') OR ('isTerminatable' NOT EQUAL 'true'))		
Remedial action: A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

Table 17-50 ContainingEquipmentOperationallyDown

Alarm	Attributes	Applicable major NE releases
Name: ContainingEquipmentOperationallyDown (465) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentDown (329)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentOperationallyDown.		
Raising condition: (('Status' EQUAL 'Parent Oper Down') AND ('isTerminatable' EQUAL 'true'))		
Clearing condition: (('Status' NOT EQUAL 'Parent Oper Down') OR ('isTerminatable' NOT EQUAL 'true'))		
Remedial action: The operational state of the equipment element indicated in the alarm is down. This may be due to the element's administrative state or it may indicate that the element has failed.		

Table 17-51 CorruptImageFile

Alarm	Attributes	Applicable major NE releases
Name: CorruptImageFile (171) Type: configurationAlarm (11) Package: mediation Raised on class: mediation.AbstractSoftwareFolderDescriptor	Severity: critical Implicitly cleared: true Default probable cause: invalidOrCorruptImageFile (134)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when one or more files in the 5620 SAM software image specified for a device software upgrade is invalid, corrupt or absent. The 5620 SAM validates a device software file set before it imports the file set and distributes it to an NE. Ensure that the file set downloads properly to the NE and is not tampered with before you re-attempt the upgrade. The alarm clears when a valid file set is on the NE and the 5620 SAM activates the software image in the file set.		
Raising condition: ('isImageValid' EQUAL 'false')		
Clearing condition: ('isImageValid' EQUAL 'true')		
Remedial action: The existing SW image in the SAM database should be replaced with an image that is known to be complete and valid.		

Table 17-52 CpmProtectionExceedEntry

Alarm	Attributes	Applicable major NE releases
Name: CpmProtectionExceedEntry (2925) Type: communications (87) Package: sitesec Raised on class: sitesec.CpmProtExcdEntry	Severity: warning Implicitly cleared: false Default probable cause: denialOfService (790)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when a MAC packet stream has exceeded its per-source limit.		
Raising condition: ('Number of Rate Violations' NOT EQUAL '0L')		

(1 of 2)

17 – Alcatel-Lucent 7750 SR MG alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: A device in the network is sending traffic to the NE at a rate which is higher than expected. The source of the traffic must be identified and if the behavior is undesired then the device should be disabled. It is also possible that the threshold has been configured at a level which is lower than acceptable in which case the configuration should be align with the traffic levels expected.		

(2 of 2)

Table 17-53 CpmProtectionExceedSapIpEntry

Alarm	Attributes	Applicable major NE releases
Name: CpmProtectionExceedSapIpEntry (3911) Type: communications (87) Package: sitesec Raised on class: sitesec.CpmProtExcdSapIpEntry	Severity: warning Implicitly cleared: false Default probable cause: denialOfService (790)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when an IP packet stream has exceeded the per-source limit.		
Raising condition: ('Number of Rate Violations' NOT EQUAL '0L')		
Remedial action: A device in the network is sending traffic to the NE at a rate which is higher than expected. The source of the traffic must be identified and if the behavior is undesired then the device should be disabled. It is also possible that the threshold has been configured at a level which is lower than acceptable in which case the configuration should be align with the traffic levels expected.		

Table 17-54 CpmProtectionViolationIfEntry

Alarm	Attributes	Applicable major NE releases
Name: CpmProtectionViolationIfEntry (2926) Type: communications (87) Package: sitesec Raised on class: sitesec.CpmProtViolIfEntry	Severity: warning Implicitly cleared: false Default probable cause: denialOfService (790)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the link-specific packet arrival rate limit at the interface is violated.		
Raising condition: ('Number of Rate Violations' NOT EQUAL '0L')		
Remedial action: A device in the network is sending traffic to the NE at a rate which is higher than expected. The source of the traffic must be identified and if the behavior is undesired then the device should be disabled. It is also possible that the threshold has been configured at a level which is lower than acceptable in which case the configuration should be align with the traffic levels expected.		

Table 17-55 CpmProtectionViolationPortEntry

Alarm	Attributes	Applicable major NE releases
Name: CpmProtectionViolationPortEntry (2927) Type: communications (87) Package: sitesec Raised on class: sitesec.CpmProtViolPortEntry	Severity: warning Implicitly cleared: false Default probable cause: denialOfService (790)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the link-specific packet arrival rate limit at the port is violated.		
Raising condition: (('Number of Per-port Violations' NOT EQUAL '0L') OR ('Number of Link-specific Violations' NOT EQUAL '0L'))		
Remedial action: A device in the network is sending traffic to the NE at a rate which is higher than expected. The source of the traffic must be identified and if the behavior is undesired then the device should be disabled. It is also possible that the threshold has been configured at a level which is lower than acceptable in which case the configuration should be align with the traffic levels expected.		

Table 17-56 CpmProtectionViolationSAPEntry

Alarm	Attributes	Applicable major NE releases
Name: CpmProtectionViolationSAPEntry (2928) Type: communications (87) Package: sitesec Raised on class: sitesec.CpmProtViolSapEntry	Severity: warning Implicitly cleared: false Default probable cause: denialOfService (790)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the link-specific packet arrival rate limit at the SAP is violated.		
Raising condition: ('Number of Rate Violations' NOT EQUAL '0L')		
Remedial action: A device in the network is sending traffic to the NE at a rate which is higher than expected. The source of the traffic must be identified and if the behavior is undesired then the device should be disabled. It is also possible that the threshold has been configured at a level which is lower than acceptable in which case the configuration should be align with the traffic levels expected.		

Table 17-57 CpmProtectionViolationSDPEntry

Alarm	Attributes	Applicable major NE releases
Name: CpmProtectionViolationSDPEntry (5415) Type: communications (87) Package: sitesec Raised on class: sitesec.CpmProtViolSdpEntry	Severity: warning Implicitly cleared: false Default probable cause: denialOfService (790)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the overall packet arrival rate limit at the SDP is violated.		
Raising condition: ('Number of Rate Violations' NOT EQUAL '0L')		
Remedial action: A device in the network is sending traffic to the NE at a rate which is higher than expected. The source of the traffic must be identified and if the behavior is undesired then the device should be disabled. It is also possible that the threshold has been configured at a level which is lower than acceptable in which case the configuration should be align with the traffic levels expected.		

Table 17-58 DDMAux1HighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMAux1HighAlarm (495) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: aux1HighAlarm (381)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the manufacturer-specific Auxiliary 1 of the XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux1 High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux1 High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 17-59 DDMAux1HighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMAux1HighWarning (494) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: aux1HighWarning (380)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the manufacturer-specific Auxiliary 1 of the XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux1 High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux1 High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 17-60 DDMAux1LowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMAux1LowAlarm (493) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: aux1LowAlarm (379)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the manufacturer-specific Auxiliary 1 of the XFP reaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux1 Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux1 Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 17-61 DDMAux1LowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMAux1LowWarning (492) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: aux1LowWarning (378)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the manufacturer-specific Auxiliary 1 of the XFP approaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux1 Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux1 Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 17-62 DDMAux2HighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMAux2HighAlarm (499) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: aux2HighAlarm (385)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the manufacturer-specific Auxiliary 2 of the XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux2 High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux2 High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 17-63 DDMAux2HighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMAux2HighWarning (498) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: aux2HighWarning (384)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the manufacturer-specific Auxiliary 2 of the XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux2 High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux2 High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 17-64 DDMAux2LowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMAux2LowAlarm (497) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: aux2LowAlarm (383)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the manufacturer-specific Auxiliary 2 of the XFP reaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux2 Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux2 Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 17-65 DDMAux2LowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMAux2LowWarning (496) Type: communicationthresholdAlarmnsAlarm (50) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: aux2LowWarning (382)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the manufacturer-specific Auxiliary 2 of the XFP approaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux2 Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux2 Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 17-66 DDMRxOpticalPowerHighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMRxOpticalPowerHighAlarm (491) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: rxOpticalPowerHighAlarm (377)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the received optical power of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Rx Optical Power High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Rx Optical Power High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 17-67 DDMRxOpticalPowerHighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMRxOpticalPowerHighWarning (490) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: rxOpticalPowerHighWarning (376)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the received optical power of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBitRx Optical Power High Warning')		
Clearing condition: NOT (('failedThresholds'anyBitRx Optical Power High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 17-68 DDMRxOpticalPowerLowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMRxOpticalPowerLowAlarm (489) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: rxOpticalPowerLowAlarm (375)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the received optical power of an SFP or XFP reaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBitRx Optical Power Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBitRx Optical Power Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 17-69 DDMRxOpticalPowerLowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMRxOpticalPowerLowWarning (488) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: rxOpticalPowerLowWarning (374)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the received optical power of an SFP or XFP approaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBitRx Optical Power Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBitRx Optical Power Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 17-70 DDMSupplyVoltageHighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMSupplyVoltageHighAlarm (479) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: supplyVoltageHighAlarm (365)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the supply voltage of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Supply Voltage High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Supply Voltage High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 17-71 DDMSupplyVoltageHighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMSupplyVoltageHighWarning (478) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: supplyVoltageHighWarning (364)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the supply voltage of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Supply Voltage High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Supply Voltage High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 17-72 DDMSupplyVoltageLowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMSupplyVoltageLowAlarm (477) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: supplyVoltageLowAlarm (363)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the supply voltage of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Supply Voltage Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Supply Voltage Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 17-73 DDMSupplyVoltageLowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMSupplyVoltageLowWarning (476) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: supplyVoltageLowWarning (362)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the supply voltage of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Supply Voltage Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Supply Voltage Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 17-74 DDMTemperatureHighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTemperatureHighAlarm (475) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: temperatureHighAlarm (361)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the temperature of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Temperature High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Temperature High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 17-75 DDMTemperatureHighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTemperatureHighWarning (474) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: temperatureHighWarning (360)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the temperature of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Temperature High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Temperature High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 17-76 DDMTemperatureLowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTemperatureLowAlarm (473) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: temperatureLowAlarm (359)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the temperature of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Temperature Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Temperature Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 17-77 DDMTemperatureLowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTemperatureLowWarning (472) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: temperatureLowWarning (358)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the temperature of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Temperature Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Temperature Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 17-78 DDMTxBiasCurrentHighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTxBiasCurrentHighAlarm (483) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: txBiasCurrentHighAlarm (369)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the transmit bias current of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Bias Current High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Bias Current High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 17-79 DDMTxBiasCurrentHighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTxBiasCurrentHighWarning (482) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: txBiasCurrentHighWarning (368)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the transmit bias current of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Bias Current High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Bias Current High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 17-80 DDMTxBiasCurrentLowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTxBiasCurrentLowAlarm (481) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: txBiasCurrentLowAlarm (367)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the transmit bias current of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Bias Current Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Bias Current Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 17-81 DDMTxBiasCurrentLowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTxBiasCurrentLowWarning (480) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: txBiasCurrentLowWarning (366)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the transmit bias current of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Bias Current Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Bias Current Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 17-82 DDMTxOutputPowerHighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTxOutputPowerHighAlarm (487) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: txOutputPowerHighAlarm (373)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the output power of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Output Power High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Output Power High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 17-83 DDMTxOutputPowerHighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTxOutputPowerHighWarning (486) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: txOutputPowerHighWarning (372)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the output power of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Output Power High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Output Power High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 17-84 DDMTxOutputPowerLowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTxOutputPowerLowAlarm (485) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: txOutputPowerLowAlarm (371)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the output power of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Output Power Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Output Power Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 17-85 DDMTxOutputPowerLowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTxOutputPowerLowWarning (484) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: txOutputPowerLowWarning (370)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the output power of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Output Power Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Output Power Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 17-86 Df2PeerDown

Alarm	Attributes	Applicable major NE releases
Name: Df2PeerDown (4798) Type: EpcLIAAlarm (102) Package: Iteli Raised on class: Iteli.DFPeerCardGroup	Severity: major Implicitly cleared: true Default probable cause: Df2PeerDown (1898)	<ul style="list-style-type: none"> • 5.0 • 6.0
Description: The alarm is raised on a Delivery Function 2 that is operationally down.		
Raising condition: ('DF2 Operational State' NOT EQUAL 'In Service')		
Clearing condition: ('DF2 Operational State' EQUAL 'In Service')		
Remedial action: A TCP connection failure associated with a Delivery Function 2 has occurred. The underlying transport network is unreliable. Please correct the issue within the transport network.		

Table 17-87 Df3PeerDown

Alarm	Attributes	Applicable major NE releases
Name: Df3PeerDown (4799) Type: EpcLIAAlarm (102) Package: Iteli Raised on class: Iteli.DFPeerCardGroup	Severity: major Implicitly cleared: true Default probable cause: Df3PeerDown (1899)	<ul style="list-style-type: none"> • 5.0 • 6.0
Description: The alarm is raised on a Delivery Function 3 that is operationally down.		
Raising condition: ('DF3 Operational State' NOT EQUAL 'In Service')		
Clearing condition: ('DF3 Operational State' EQUAL 'In Service')		
Remedial action: A TCP connection failure associated with a Delivery Function 3 has occurred. The underlying transport network is unreliable. Please correct the issue within the transport network.		

Table 17-88 DHCPPeerDown

Alarm	Attributes	Applicable major NE releases
Name: DHCPPeerDown (5040) Type: EpcAlarm (59) Package: Itegw Raised on class: Itegw.PdnDhcpSGPeer	Severity: variable Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> • 5.0 • 6.0
Description: The alarm is raised when the path management state of a Dhcp peer changes to a state other than Up.		
Raising condition: ('Path Management State' NOT EQUAL 'Up')		
Clearing condition: ('Path Management State' EQUAL 'Up')		
Remedial action: A DHCP server group (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

Table 17-89 DHCPServerFailoverStateChange

Alarm	Attributes	Applicable major NE releases
Name: DHCPServerFailoverStateChange (4986) Type: configurationAlarm (11) Package: dhcp Raised on class: dhcp.LocalDhcpServerFailover	Severity: warning Implicitly cleared: true Default probable cause: DHCPServerFailoverStateChanged (2041)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the Local DHCP Server Failover has a state other than Normal.		
Raising condition: (('state' NOT EQUAL 'Normal'))		
Clearing condition: (('state' EQUAL 'Normal'))		
Remedial action: This alarm is raised when operational state of a particular Local DHCP Server Failover is other than Normal. This can occur if the failover configuration is incorrect, disabled or if a server failover is in progress. This alarm will be cleared implicitly when the DHCP Server Failover state returns to Normal.		

Table 17-90 downgradedCardAlarm

Alarm	Attributes	Applicable major NE releases
Name: downgradedCardAlarm (256) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: downgradedCard (195)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when an IOM is not upgraded or reset after a device software upgrade of both CPMs. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
Raising condition: ('operationalState' EQUAL 'Downgrade')		
Clearing condition: ('operationalState' EQUAL 'Up')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: Informational - no corrective action required.		

(2 of 2)

Table 17-91 DS1E1AlarmIndicationSignal

Alarm	Attributes	Applicable major NE releases
Name: DS1E1AlarmIndicationSignal (112) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: alarmIndicationSignal (96)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when an NE reports that a specific DS1 or E1 channel has an AIS alarm condition.		
Raising condition: (('Outstanding Alarms'anyBit'Alarm Indication Signal') AND ('Report Alarms'anyBit'Alarm Indication Signal'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Alarm Indication Signal') AND ('Report Alarms'anyBit'Alarm Indication Signal'))))		
Remedial action: Informational only.		

Table 17-92 DS1E1Looped

Alarm	Attributes	Applicable major NE releases
Name: DS1E1Looped (126) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: farEndLoopback (102)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when an NE reports that a specific DS1 or E1 channel has a remote loopback alarm condition.		
Raising condition: (('Outstanding Alarms'anyBit'Far end wants the near end to loopback') AND ('Report Alarms'anyBit'Far end wants the near end to loopback'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Far end wants the near end to loopback') AND ('Report Alarms'anyBit'Far end wants the near end to loopback'))))		
Remedial action: Informational only.		

Table 17-93 DS1E1LossOfSignal

Alarm	Attributes	Applicable major NE releases
Name: DS1E1LossOfSignal (124) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: lossOfSignal (99)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when an NE reports that a specific DS1 or E1 channel has an LOS alarm condition.		
Raising condition: (('Outstanding Alarms'anyBit'Loss of Signal') AND ('Report Alarms'anyBit'Loss of Signal'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Loss of Signal') AND ('Report Alarms'anyBit'Loss of Signal'))		
Remedial action: Informational only.		

Table 17-94 DS1E1OutOfFrame

Alarm	Attributes	Applicable major NE releases
Name: DS1E1OutOfFrame (125) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: outOfFrame (100)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when an NE reports that a specific DS1 or E1 channel has an OOF alarm condition.		
Raising condition: (('Outstanding Alarms'anyBit'Out Of Frame') AND ('Report Alarms'anyBit'Out Of Frame'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Out Of Frame') AND ('Report Alarms'anyBit'Out Of Frame'))		
Remedial action: Informational only.		

Table 17-95 DS1E1ResourceAvailabilityIndicator

Alarm	Attributes	Applicable major NE releases
Name: DS1E1ResourceAvailabilityIndicator (114) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: resourceAvailabilityIndicator (98)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when an NE reports that a specific DS1 or E1 channel has an RAI alarm condition.		
Raising condition: (('Outstanding Alarms'anyBit'Resource Availability Indicator') AND ('Report Alarms'anyBit'Resource Availability Indicator'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Resource Availability Indicator') AND ('Report Alarms'anyBit'Resource Availability Indicator'))		
Remedial action: Informational only.		

Table 17-96 DS1E1SignalDegradation

Alarm	Attributes	Applicable major NE releases
Name: DS1E1SignalDegradation (500) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: signalDegradation (386)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when an NE reports that a specific DS1 or E1 channel has an SD alarm condition.		
Raising condition: (('Outstanding Alarms'anyBit'Signal Degradation') AND ('Report Alarms'anyBit'Signal Degradation'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'Signal Degradation') AND ('Report Alarms'anyBit'Signal Degradation'))		
Remedial action: Informational only.		

Table 17-97 DS1E1SignalFailure

Alarm	Attributes	Applicable major NE releases
Name: DS1E1SignalFailure (501) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: signalFailure (387)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when an NE reports that a specific DS1 or E1 channel has an SF alarm condition.		
Raising condition: (('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))		
Remedial action: Informational only.		

Table 17-98 DS3E3AlarmIndicationSignal

Alarm	Attributes	Applicable major NE releases
Name: DS3E3AlarmIndicationSignal (115) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS3E3ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: alarmIndicationSignal (96)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when an NE reports that a specific DS3 or E3 channel has an AIS alarm condition.		
Raising condition: (('Outstanding Alarms'anyBit'Alarm Indication Signal') AND ('Report Alarms'anyBit'Alarm Indication Signal'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'Alarm Indication Signal') AND ('Report Alarms'anyBit'Alarm Indication Signal'))		
Remedial action: Informational only.		

Table 17-99 DS3E3Looped

Alarm	Attributes	Applicable major NE releases
Name: DS3E3Looped (120) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS3E3ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: farEndLoopback (102)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when an NE reports that a specific DS3 or E3 channel has a remote loopback alarm condition.		
Raising condition: (('Outstanding Alarms'anyBit'Far end wants the near end to loopback') AND ('Report Alarms'anyBit'Far end wants the near end to loopback'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'Far end wants the near end to loopback') AND ('Report Alarms'anyBit'Far end wants the near end to loopback'))		
Remedial action: Informational only.		

Table 17-100 DS3E3LossOfSignal

Alarm	Attributes	Applicable major NE releases
Name: DS3E3LossOfSignal (116) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS3E3ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: lossOfSignal (99)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when an NE reports that a specific DS3 or E3 channel has an LOS alarm condition.		
Raising condition: (('Outstanding Alarms'anyBit'Loss of Signal') AND ('Report Alarms'anyBit'Loss of Signal'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'Loss of Signal') AND ('Report Alarms'anyBit'Loss of Signal'))		
Remedial action: Informational only.		

Table 17-101 DS3E3OutOfFrame

Alarm	Attributes	Applicable major NE releases
Name: DS3E3OutOfFrame (117) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS3E3ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: outOfFrame (100)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when an NE reports that a specific DS3 or E3 channel has an OOF alarm condition.		
Raising condition: (('Outstanding Alarms'anyBit'Out Of Frame') AND ('Report Alarms'anyBit'Out Of Frame'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'Out Of Frame') AND ('Report Alarms'anyBit'Out Of Frame'))		
Remedial action: Informational only.		

Table 17-102 DS3E3ResourceAvailability

Alarm	Attributes	Applicable major NE releases
Name: DS3E3ResourceAvailability (119) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS3E3ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: resourceAvailabilityIndicator (98)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when an NE reports that a specific DS3 or E3 channel has an RAI alarm condition.		
Raising condition: (('Outstanding Alarms'anyBit'Resource Availability Indicator') AND ('Report Alarms'anyBit'Resource Availability Indicator'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'Resource Availability Indicator') AND ('Report Alarms'anyBit'Resource Availability Indicator'))		
Remedial action: Informational only.		

Table 17-103 EfmOamAlarm

Alarm	Attributes	Applicable major NE releases
Name: EfmOamAlarm (4617) Type: equipmentAlarm (3) Package: ethernetequipment Raised on class: ethernetequipment.Dot3Oam	Severity: minor Implicitly cleared: true Default probable cause: EFMOAMOperationalstateOutOfService (1886)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when EFM Ignore status is Enabled, and Physical port Administrative State is Down.		
Raising condition: ('Ignore EFM State' EQUAL 'true')		
Clearing condition: ('Ignore EFM State' EQUAL 'true')		
Remedial action: The alarm is raised when EFM Ignore status is Enabled, and Physical port Administrative State is Down.		

Table 17-104 EpcDown

Alarm	Attributes	Applicable major NE releases
Name: EpcDown (743) Type: EpcAlarm (59) Package: lte Raised on class: lte.EPCGateway	Severity: major Implicitly cleared: true Default probable cause: EpcDown (519)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when an EPC instance is operationally down but administratively up.		
Raising condition: (('Operational State' NOT EQUAL 'Up') AND ('Administrative State' EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: This alarm is an indication that the GW card(s) the EPC instance is running on is operationally down. Ensure that the appropriate number of GW card(s) installed in the chassis and are operational.		

Table 17-105 EquipmentAdministrativelyDown

Alarm	Attributes	Applicable major NE releases
Name: EquipmentAdministrativelyDown (455) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: minor Implicitly cleared: true Default probable cause: equipmentAdministrativelyDown (326)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentAdministrativelyDown.		
Raising condition: ('compositeEquipmentState' EQUAL 'Admin Down')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Admin Down')		
Remedial action: Informational - no corrective action required.		

Table 17-106 EquipmentDegraded

Alarm	Attributes	Applicable major NE releases
Name: EquipmentDegraded (604) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: minor Implicitly cleared: true Default probable cause: singleFanFailure (450)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when a single fan fails. The chassis attempts to continue operating within the normal temperature range using only the remaining fans.		
Raising condition: ('Device State' EQUAL 'MinorFailure')		
Clearing condition: ('Device State' NOT EQUAL 'MinorFailure')		
Remedial action: The failed fan unit should be replaced.		

Table 17-107 EquipmentDown

Alarm	Attributes	Applicable major NE releases
Name: EquipmentDown (10) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: inoperableEquipment (8)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentOperationallyDown.		
Raising condition: ('compositeEquipmentState' EQUAL 'Oper Down')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Oper Down')		
Remedial action: This alarm indicates that a card in the NE has failed. The card must be replaced.		

Table 17-108 EquipmentFailure

Alarm	Attributes	Applicable major NE releases
Name: EquipmentFailure (145) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.ReplaceableUnit	Severity: critical Implicitly cleared: true Default probable cause: cardFailure (123)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when a control processor or power-supply tray reports a failure. When the object type is ControlProcessor, a CPM may be unable to boot. When the object type is Power Supply Tray and the alarm is raised during device discovery, a power-supply tray may be out of service. When the object type is a Power Supply Tray and the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
Raising condition: ('operationalState' EQUAL 'Failed')		
Clearing condition: ('operationalState' NOT EQUAL 'Failed')		
Remedial action: If the alarm indicates that the CPM card has a fault, remove the card and reset it. If this does not clear the alarm then please contact Alcatel-Lucent support for assistance. If the alarm indicates that the Power Supply tray is out of service ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 17-109 EquipmentInTest

Alarm	Attributes	Applicable major NE releases
Name: EquipmentInTest (11) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: warning Implicitly cleared: true Default probable cause: equipmentInTest (9)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when equipment enters a diagnostic state.		
Raising condition: ('compositeEquipmentState' EQUAL 'In Test')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'In Test')		
Remedial action: Informational - no corrective action required.		

Table 17-110 EquipmentMismatch

Alarm	Attributes	Applicable major NE releases
Name: EquipmentMismatch (9) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: equipmentTypeMismatch (7)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMismatch.		
Raising condition: ('compositeEquipmentState' EQUAL 'Type Mismatch')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Type Mismatch')		

(1 of 2)

17 – Alcatel-Lucent 7750 SR MG alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

(2 of 2)

Table 17-111 EquipmentRemoved

Alarm	Attributes	Applicable major NE releases
Name: EquipmentRemoved (8) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: replaceableEquipmentRemoved (6)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMissing.		
Raising condition: (('compositeEquipmentState' EQUAL 'Removed') AND ('isEquipmentInserted' EQUAL 'true'))		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Removed')		
Remedial action: Informational - this alarm is raised when a card is removed.		

Table 17-112 EthernetPortConfiguredLoopback

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortConfiguredLoopback (801) Type: configurationAlarm (11) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: warning Implicitly cleared: true Default probable cause: ethernetPortConfiguredLoopback (567)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when a timed loopback is in effect for an Ethernet port.		
Raising condition: (('Type' NOT EQUAL 'None'))		
Clearing condition: (('Type' EQUAL 'None'))		
Remedial action: This alarm has been raised by the node because "Timed Loopback" option of the specific port's Ethernet property has been enabled. To resolve this problem from "Ethernet" tab of "Physical Port" properties form configure "Timed Loopback" Type property as "None".		

Table 17-113 EthernetPortDuplicateLane

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortDuplicateLane (3557) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: DuplicateLane (1387)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when a device reports a Duplicate Lane on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 17-114 EthernetPortHighBer

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortHighBer (307) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when a device reports a high bit-error rate on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))))		
Remedial action: One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 17-115 EthernetPortLocalFault

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortLocalFault (305) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: LocalFault (236)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when a device reports a local fault on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))		

(1 of 2)

17 – Alcatel-Lucent 7750 SR MG alarms

Alarm	Attributes	Applicable major NE releases
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))		
Remedial action: One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

(2 of 2)

Table 17-116 EthernetPortNoAmLock

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortNoAmLock (3558) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoAmLock (1388)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when a device reports a No Am Lock on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 17-117 EthernetPortNoBlockLock

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortNoBlockLock (3559) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoBlockLock (1389)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when a device reports a No Block Lock on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock'))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 17-118 EthernetPortNoFrameLock

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortNoFrameLock (306) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoFrameLock (237)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when a device reports No Frame Lock on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock'))		
Remedial action: One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 17-119 EthernetPortRemoteFault

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortRemoteFault (304) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: RemoteFault (235)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when a device reports a remote fault on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault'))		
Remedial action: One of the following conditions exists on the remote physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 17-120 EthernetPortSignalFailure

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortSignalFailure (303) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: SignalFailure (234)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when a device reports a signal failure on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))		

(1 of 2)

17 – Alcatel-Lucent 7750 SR MG alarms

Alarm	Attributes	Applicable major NE releases
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))))		
Remedial action: One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

(2 of 2)

Table 17-121 ExternalTimingReferenceNotQualified

Alarm	Attributes	Applicable major NE releases
Name: ExternalTimingReferenceNotQualified (548) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: timingReferenceNotQualified (418)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the External timing reference on an NE is not in the Qualified state.		
Raising condition: (('Qualified For Use' EQUAL 'Not Qualified') AND ('Administrative State' NOT EQUAL 'Down'))		
Clearing condition: (('Qualified For Use' NOT EQUAL 'Not Qualified') OR ('Administrative State' EQUAL 'Down'))		
Remedial action: Informational		

Table 17-122 FanFailure

Alarm	Attributes	Applicable major NE releases
Name: FanFailure (624) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: fanFailure (116)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the associated fan is not operationally Up.		
Raising condition: (('Device State' EQUAL 'Failed') OR ('Device State' EQUAL 'Unknown') OR ('Device State' EQUAL 'OutOfservice'))		
Clearing condition: ('Device State' EQUAL 'OK')		
Remedial action: Remove and reset the fan unit. If this does not resolve the problem replace the fan.		

Table 17-123 FanTrayRemoved

Alarm	Attributes	Applicable major NE releases
Name: FanTrayRemoved (569) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: FanTrayRemoved (438)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the deviceState attribute has a value of deviceNotEquipped.		
Raising condition: ('Device State' EQUAL 'Not Equipped')		
Clearing condition: ('Device State' NOT EQUAL 'Not Equipped')		
Remedial action: Informational - a fan tray has been removed from the NE.		

Table 17-124 ForwardingTableSizeLimitReached

Alarm	Attributes	Applicable major NE releases
Name: ForwardingTableSizeLimitReached (164) Type: resourceAlarm (28) Package: I2fwd Raised on class: I2fwd.SiteFib	Severity: major Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the number of MAC address entries in the FIB reaches or exceeds the VPLS site high watermark specified by I2fwd.SiteFib.highWatermark. The alarm clears when the number of MAC address entries in the FIB drops below the VPLS site low watermark specified by I2fwd.SiteFib.lowWatermark. The alarm can be raised against a VPLS site, L2 access interface, or spoke SDP binding.		
Raising condition: (('Entries' >= 'Size') OR ('Entries' >= (('High Watermark' * 'Size') / 100.0)))		
Clearing condition: (('Entries' < 'Size') AND (('High Watermark' EQUAL '0L') OR ('Entries' < (('Low Watermark' * 'Size') / 100.0))) AND (('Low Watermark' EQUAL '0L') OR ('Entries' < (('Low Watermark' * 'Size') / 100.0)))		
Remedial action: Informational		

Table 17-125 FrameSizeProblem (netw)

Alarm	Attributes	Applicable major NE releases
Name: FrameSizeProblem (37) Type: configurationAlarm (11) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: frameSizeProblem (33)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when a provisioned MTU size value is greater than the supported MTU size value.		
Raising condition: (('mtuMismatch' EQUAL 'true') AND ('portId' NOT EQUAL '0L'))		
Clearing condition: (('mtuMismatch' EQUAL 'false') OR ('portId' EQUAL '0L'))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: A configuration error has been made which must be corrected. The MTU value must be changed such that is less than or equal to the supported MTU size value.		

(2 of 2)

Table 17-126 FrameSizeProblem (svt)

Alarm	Attributes	Applicable major NE releases
Name: FrameSizeProblem (37) Type: configurationAlarm (11) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: frameSizeProblem (33)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when a provisioned MTU size value is greater than the supported MTU size value.		
Raising condition: (('Operational State' EQUAL 'MTU Mismatch') OR ('Operational State' EQUAL 'Tunnel MTU Too Small'))		
Clearing condition: (('Operational State' NOT EQUAL 'MTU Mismatch') AND ('Operational State' NOT EQUAL 'Tunnel MTU Too Small'))		
Remedial action: The MTU value must be changed such that is is less than or equal to the supported MTU size value.		

Table 17-127 GaPeerDown

Alarm	Attributes	Applicable major NE releases
Name: GaPeerDown (3303) Type: EpcAlarm (59) Package: Iteggsn Raised on class: Iteggsn.GaPeer	Severity: major Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the path management state of a Ga peer changes to a state other than Up.		
Raising condition: ('Path Management State' NOT EQUAL 'Active')		
Clearing condition: ('Path Management State' EQUAL 'Active')		
Remedial action: A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

Table 17-128 GRE TunnelDown

Alarm	Attributes	Applicable major NE releases
Name: GRE TunnelDown (3326) Type: serviceAlarm (16) Package: svt Raised on class: svt.GRE Tunnel	Severity: major Implicitly cleared: true Default probable cause: tunnelDown (23)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the IP/GRE tunnel Operational State changes to Down and the Administrative State is Up.		
Raising condition: (('Operational State' NOT EQUAL 'Up') AND ('Administrative State' EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: The situation may occur if the underlying physical port is down either because of administrative disabling or a fault on the port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable.		

Table 17-129 GroupDown

Alarm	Attributes	Applicable major NE releases
Name: GroupDown (69) Type: ProtocolAlarm (1) Package: rip Raised on class: rip.Group	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when a RIP group has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
Clearing condition: (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
Remedial action: The RIP Group is down while it is administratively up. Please check RIP related configuration e.g., the RIP is not shutdown.		

Table 17-130 GroupInterfaceDown

Alarm	Attributes	Applicable major NE releases
Name: GroupInterfaceDown (441) Type: GroupInterfaceAlarm (44) Package: service Raised on class: service.GroupInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the 5620 SAM detects that a group interface is operationally down. The alarm clears when the group interface is operationally up.		
Raising condition: ('operationalState' NOT EQUAL 'Up')		
Clearing condition: ('operationalState' EQUAL 'Up')		
Remedial action: Check the configuration and the underlying physical interface.		

Table 17-131 IGHMisconfigured

Alarm	Attributes	Applicable major NE releases
Name: IGHMisconfigured (827) Type: ighAlarm (74) Package: igh Raised on class: igh.InterfaceGroupHandler	Severity: major Implicitly cleared: true Default probable cause: IGHProtocolMismatch (590)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the IGH is administratively up but none of the IGH protocols is operationally up.		
Raising condition: (('igh_misconfigured' EQUAL \"yes\") AND ('Administrative State' EQUAL 'Up'))		
Clearing condition: (('igh_misconfigured' NOT EQUAL \"yes\") OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: Please check the configuration.		

Table 17-132 IgmpDown

Alarm	Attributes	Applicable major NE releases
Name: IgmpDown (158) Type: ProtocolAlarm (1) Package: igmp Raised on class: igmp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when an IGMP site has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: While configured under VPRN, check if VPRN site is admin down, or if route distinguisher is not configured.		

Table 17-133 IncompleteConfig (multichassis)

Alarm	Attributes	Applicable major NE releases
Name: IncompleteConfig (294) Type: configurationAlarm (11) Package: multichassis Raised on classes: <ul style="list-style-type: none"> • multichassis.MultiChassisSync • multichassis.MultiChassisLagMember 	Severity: major Implicitly cleared: true Default probable cause: incompleteConfig (225)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when a peer configuration cannot be found on the peer NE.		
Raising condition: ('mLagPointer' EQUAL \"\")		
Clearing condition: ('mLagPointer' NOT EQUAL \"\")		
Remedial action: Configure the missing peered object.		

Table 17-134 IncompleteConfiguration

Alarm	Attributes	Applicable major NE releases
Name: IncompleteConfiguration (1942) Type: operationalViolation (93) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: incompleteConfig (225)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when a pre-provisioned NE has no objects configured beneath it.		
Raising condition: (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' EQUAL '\'))		
Clearing condition: (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' NOT EQUAL '\'))		
Remedial action: A configuration error has been made which must be corrected. The configuration of the pre-provisioned NE is incomplete. A work order was not associated with the pre-provisioned NE and as a consequence the attempt to auto-configure the NE failed.		

Table 17-135 IncorrectEndPointPeerConfig

Alarm	Attributes	Applicable major NE releases
Name: IncorrectEndPointPeerConfig (1068) Type: configurationAlarm (11) Package: multichassis Raised on class: multichassis.MultiChassisEndpoint	Severity: major Implicitly cleared: true Default probable cause: incompleteEPPeerConfig (810)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when a peer configuration cannot be found on the peer NE.		
Raising condition: ('MC EndPoint Group Pointer' EQUAL '\')		
Clearing condition: ('MC EndPoint Group Pointer' NOT EQUAL '\')		
Remedial action: The peered object cannot be found on the peer NE. Either delete this one, or create the missing peer object.		

Table 17-136 IncorrectNeighborConfig

Alarm	Attributes	Applicable major NE releases
Name: IncorrectNeighborConfig (609) Type: configurationAlarm (11) Package: aps Raised on class: aps.ApsGroup	Severity: major Implicitly cleared: true Default probable cause: incorrectNeighborConfig (452)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the peer does not exist or the neighbor address does not point to a network interface on the NE that contains the peer object.		
Raising condition: (('Type' EQUAL 'MultiChassis') AND ('Neighbor match' EQUAL 'false'))		
Clearing condition: (('Type' EQUAL 'SingleChassis') OR ('Neighbor match' EQUAL 'true'))		
Remedial action: Make sure a peer exist and the neighbor address points to a network interface on the NE that contains the peer object.		

Table 17-137 IncorrectPeerConfig

Alarm	Attributes	Applicable major NE releases
Name: IncorrectPeerConfig (779) Type: configurationAlarm (11) Package: multichassis Raised on class: multichassis.AbstractPeer	Severity: major Implicitly cleared: true Default probable cause: IncorrectPeerConfig (554)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when an MC peer does not exist, or when an MC peer exists but the peer address is not the address of a network interface on the peer.		
Raising condition: ('peerMatchFound' EQUAL 'false')		
Clearing condition: ('peerMatchFound' EQUAL 'true')		
Remedial action: The peer configuration cannot be found on the peer NE. Either delete this one, or create the missing peer object.		

Table 17-138 IncorrectPeerSynchronizationPortConfig

Alarm	Attributes	Applicable major NE releases
Name: IncorrectPeerSynchronizationPortConfig (780) Type: configurationAlarm (11) Package: multichassis Raised on class: multichassis.PeerSynchronizationPort	Severity: major Implicitly cleared: true Default probable cause: IncorrectPeerSynchronizationPortConfig (555)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the peer port does not exist, or when the peer port exists but the synchronization tags of the peers do not match.		
Raising condition: ('peerMatchFound' EQUAL 'false')		
Clearing condition: ('peerMatchFound' EQUAL 'true')		
Remedial action: Check if the peer port does not exist, or the peer port exists but the synchronization tags do not match.		

Table 17-139 IncorrectPeerSynchronizationPortEncapRangeConfig

Alarm	Attributes	Applicable major NE releases
Name: IncorrectPeerSynchronizationPortEncapRangeConfig (781) Type: configurationAlarm (11) Package: multichassis Raised on class: multichassis.PeerSynchronizationPortEncapRange	Severity: major Implicitly cleared: true Default probable cause: IncorrectPeerSynchronizationPortEncapRangeConfig (556)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the VLAN ranges on the Multi-Chassis synchronization peers do not match.		
Raising condition: ('Neighbor Match' EQUAL 'false')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: ('Neighbor Match' EQUAL 'true')		
Remedial action: Update the VLAN ranges on the Multi-Chassis synchronization peers to make them matching.		

(2 of 2)

Table 17-140 InstanceDown (srrp)

Alarm	Attributes	Applicable major NE releases
Name: InstanceDown (284) Type: configurationAlarm (11) Package: srrp Raised on class: srrp.Instance	Severity: major Implicitly cleared: true Default probable cause: instanceDown (216)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the 5620 SAM detects that an SRRP instance is operationally down.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' EQUAL 'Initialize'))		
Clearing condition: (('Operational State' NOT EQUAL 'Initialize') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: Check the configuration of the instance		

Table 17-141 InstanceDown (vrrp)

Alarm	Attributes	Applicable major NE releases
Name: InstanceDown (284) Type: configurationAlarm (11) Package: vrrp Raised on class: vrrp.AbstractInstance	Severity: major Implicitly cleared: true Default probable cause: instanceDown (216)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the 5620 SAM detects that a VRRP instance is operationally down.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: Check the instance configuration		

Table 17-142 InterfaceDown (netw)

Alarm	Attributes	Applicable major NE releases
Name: InterfaceDown (36) Type: InterfaceAlarm (13) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0

(1 of 2)

17 – Alcatel-Lucent 7750 SR MG alarms

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when an interface or underlying resource fails, as indicated by an interface compositeState attribute value of failed or underlyingResourceFailed.		
Raising condition: (('compositeState' EQUAL 'Inoperable') OR ('compositeState' EQUAL 'Underlying Resource Inoperable'))		
Clearing condition: (('compositeState' NOT EQUAL 'Inoperable') AND ('compositeState' NOT EQUAL 'Underlying Resource Inoperable'))		
Remedial action: A physical port (physical interface, LAG, channel) associated with the network interface in not operation. Ensure that the interface is cabled and that there isn't a configuration error (i.e. MTU size set incorrectly) on the interface. Once the issue w		

(2 of 2)

Table 17-143 InterfaceDown (service)

Alarm	Attributes	Applicable major NE releases
Name: InterfaceDown (36) Type: configurationAlarm (11) Package: service Raised on class: service.RedundantInterface	Severity: major Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the 5620 SAM detects that a redundant interface is operationally down.		
Raising condition: (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
Clearing condition: (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
Remedial action: A physical port (physical interface, LAG, channel) associated with the network interface in not operation. Ensure that the interface is cabled and that there isn't a configuration error (i.e. MTU size set incorrectly) on the interface. Once the issue w		

Table 17-144 InterfaceDown (vpls)

Alarm	Attributes	Applicable major NE releases
Name: InterfaceDown (36) Type: configurationAlarm (11) Package: vpls Raised on class: vpls.L2ManagementInterface	Severity: major Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when an L2 management interface has an Operational State of Down, and the associated VPLS site has an Administrative State of Up.		
Raising condition: (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
Clearing condition: (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
Remedial action: The condition exists because the physical interface is down either because it is administratively disabled, faulty or a cabling fault has occurred. Ensure that the interface is administratively up. Check for a poor cable connection to the port or for a faulty cable/fiber. If neither appears to be the problem run diagnostics on the port to determine if it is faulty.		

Table 17-145 InterfaceDown (vprn)

Alarm	Attributes	Applicable major NE releases
Name: InterfaceDown (36) Type: configurationAlarm (11) Package: vprn Raised on class: vprn.IPMirrorInterface	Severity: major Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the 5620 SAM detects that an interface is operationally down.		
Raising condition: (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
Clearing condition: (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
Remedial action: A physical port (physical interface, LAG, channel) associated with the network interface in not operation. Ensure that the interface is cabled and that there isn't a configuration error (i.e. MTU size set incorrectly) on the interface. Once the issue w		

Table 17-146 InterfaceNeighborDown

Alarm	Attributes	Applicable major NE releases
Name: InterfaceNeighborDown (661) Type: NeighborDown (20) Package: ospf Raised on class: ospf.Interface	Severity: warning Implicitly cleared: true Default probable cause: NeighborDown (103)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when an interface neighbor is operationally down.		
Raising condition: (('Neighbor Count' EQUAL '0L') AND ('interfaceClass' NOT EQUAL 'System') AND ('Passive' NOT EQUAL 'true'))		
Clearing condition: (('Neighbor Count' NOT EQUAL '0L') OR ('Passive' EQUAL 'true'))		
Remedial action: This alarm is raised when the OSPF interface neighbor is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 17-147 IPSecGatewayDown

Alarm	Attributes	Applicable major NE releases
Name: IPSecGatewayDown (830) Type: serviceAlarm (16) Package: ipsec Raised on class: ipsec.IPSecGateway	Severity: major Implicitly cleared: true Default probable cause: gatewayDown (592)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the Operational State of a SAP IPsec gateway changes to Down and the Administrative State is Up.		
Raising condition: (('Operational State' NOT EQUAL 'Up') AND ('Administrative State' EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: Fix the errors indicated in operational flag.		

Table 17-148 IPSecIsaGrpDown

Alarm	Attributes	Applicable major NE releases
Name: IPSecIsaGrpDown (3745) Type: equipmentAlarm (3) Package: isa Raised on class: isa.IPSecIsaGroup	Severity: major Implicitly cleared: true Default probable cause: IPSecIsaGrpDown (1480)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the Operational State of an ISA IPSec group is Down and the Administrative State is Up.		
Raising condition: (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
Clearing condition: (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
Remedial action: The operational state of the ISA-Tunnel Group is down, despite the administrative state being up. Check that the configured ISA-Tunnel Group Member MDA(s) are active and operationally up. There may be a fault with the ISA Application IPSec(Tunnel) Group.		

Table 17-149 IPSecTunnelBfdConnectionBroken

Alarm	Attributes	Applicable major NE releases
Name: IPSecTunnelBfdConnectionBroken (831) Type: serviceAlarm (16) Package: ipsec Raised on class: ipsec.IPSecTunnelBfd	Severity: minor Implicitly cleared: true Default probable cause: bfdSessionConnectionBroken (593)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the BFD connection to a peer times out.		
Raising condition: ('Operational State' EQUAL 'Timed Out')		
Clearing condition: ('Operational State' NOT EQUAL 'Timed Out')		
Remedial action: Check if the route to the BFD peer exist and is up.		

Table 17-150 IPSecTunnelBfdConnectionDown

Alarm	Attributes	Applicable major NE releases
Name: IPSecTunnelBfdConnectionDown (832) Type: serviceAlarm (16) Package: ipsec Raised on class: ipsec.IPSecTunnelBfd	Severity: minor Implicitly cleared: true Default probable cause: bfdSessionDown (346)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the Operational State of a BFD session is Not Connected.		
Raising condition: ('Operational State' NOT EQUAL 'Operational')		
Clearing condition: ('Operational State' EQUAL 'Operational')		
Remedial action: Check if the route to the BFD peer exist and is up.		

Table 17-151 IPSecTunnelBfdConnectionPeerDetectsDown

Alarm	Attributes	Applicable major NE releases
Name: IPSecTunnelBfdConnectionPeerDetectsDown (833) Type: serviceAlarm (16) Package: ipsec Raised on class: ipsec.IPSecTunnelBfd	Severity: minor Implicitly cleared: true Default probable cause: bfdSessionConnectionPeerDetectsDown (594)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when a BFD peer detects a connection timeout.		
Raising condition: ('Operational State' EQUAL 'Down')		
Clearing condition: ('Operational State' NOT EQUAL 'Down')		
Remedial action: Check if the route to the BFD peer exist and is up.		

Table 17-152 IPSecTunnelDown

Alarm	Attributes	Applicable major NE releases
Name: IPSecTunnelDown (834) Type: serviceAlarm (16) Package: ipsec Raised on class: ipsec.IPSecTunnel	Severity: major Implicitly cleared: true Default probable cause: tunnelDown (23)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the IPsec tunnel Operational State changes to Down and the Administrative State is Up.		
Raising condition: (('Operational State' NOT EQUAL 'Up') AND ('Administrative State' EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: Fix the errors indicated in operational flag.		

Table 17-153 IsaAaGrpDown

Alarm	Attributes	Applicable major NE releases
Name: IsaAaGrpDown (647) Type: equipmentAlarm (3) Package: isa Raised on class: isa.AaGroup	Severity: major Implicitly cleared: true Default probable cause: IsaAaGrpDown (482)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when an ISA-AA group Operational State is Down, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: The operational state of the ISA-AA group is down, despite the administrative state being up. Check that the configured ISA-AA Group Member MDA(s) are active and operationally up. There may be a fault with the ISA Application Assurance MDA.		

Table 17-154 IsaAaSubUnassigned

Alarm	Attributes	Applicable major NE releases
Name: IsaAaSubUnassigned (836) Type: equipmentAlarm (3) Package: isa Raised on class: isa.AaGroup	Severity: warning Implicitly cleared: true Default probable cause: IsaAaSubUnassigned (596)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when a subscriber cannot be assigned to an ISA-AA MDA in an AA group because of insufficient service queues, a high AA subscriber count, or a high AA subscriber statistics collection rate. The unassigned subscriber is treated as specified by the Operation Upon Failure parameter in the AA group. Recovery from this condition requires the removal and recreation of the AA subscriber when sufficient resources are available.		
Raising condition: (('Number of Unassigned ESM Subscribers' NOT EQUAL '0L') OR ('Number of Unassigned SAP Subscribers' NOT EQUAL '0L') OR ('Number of Unassigned Spoke SDP Subscribers' NOT EQUAL '0L'))		
Clearing condition: (('Number of Unassigned ESM Subscribers' EQUAL '0L') AND ('Number of Unassigned SAP Subscribers' EQUAL '0L') AND ('Number of Unassigned Spoke SDP Subscribers' EQUAL '0L'))		
Remedial action: The subscriber cannot be assigned to an ISA-AA MDA in an AA group because of insufficient service queues, a high AA subscriber count, or a high AA subscriber statistics collection rate. Remove and recreate the AA subscriber when sufficient resources are available.		

Table 17-155 IsaLnsGrpDown

Alarm	Attributes	Applicable major NE releases
Name: IsaLnsGrpDown (1119) Type: equipmentAlarm (3) Package: isa Raised on class: isa.LnsGroup	Severity: major Implicitly cleared: true Default probable cause: IsaLnsGrpDown (831)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the Operational State of an ISA-LNS group is Down and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: This alarm is caused by administrative shutdown or equipment failure of the MDA members. Review the status of the underlying ISA MDA group members and ensure they are operational.		

Table 17-156 IsaVideoGrpDown

Alarm	Attributes	Applicable major NE releases
Name: IsaVideoGrpDown (775) Type: equipmentAlarm (3) Package: isa Raised on class: isa.VideoGroup	Severity: major Implicitly cleared: true Default probable cause: IsaVideoGrpDown (550)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the Operational State of an ISA video group is Down and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: The operational state of the ISA-Video Group is down, despite the administrative state being up. Check that the configured ISA-Video Group Member MDA(s) are active and operationally up. There may be a fault with the ISA Application Video Group.		

(2 of 2)

Table 17-157 IsisAdjacencyDown

Alarm	Attributes	Applicable major NE releases
Name: IsisAdjacencyDown (153) Type: adjacencyAlarm (31) Package: isis Raised on class: isis.Interface	Severity: minor Implicitly cleared: true Default probable cause: IsisInterfaceDown (232)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when an IS-IS interface has no adjacencies, for example, because the IS-IS protocol on the remote site is down.		
Raising condition: (('Adjacency Count' EQUAL '0L') AND ('interfaceClass' NOT EQUAL 'System') AND ('Passive' NOT EQUAL 'True'))		
Clearing condition: (('Adjacency Count' > '0L') OR ('Passive' EQUAL 'True'))		
Remedial action: Check remote site to see if corresponding IS-IS interface is configured and admin up.		

Table 17-158 IsisDown

Alarm	Attributes	Applicable major NE releases
Name: IsisDown (19) Type: ProtocolAlarm (1) Package: isis Raised on class: isis.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when an IS-IS site has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: The protocol is not working anymore, could be a problem with IP addresses, resources on the device, ...		

Table 17-159 IsisInterfaceDown

Alarm	Attributes	Applicable major NE releases
Name: IsisInterfaceDown (301) Type: ProtocolAlarm (1) Package: isis Raised on class: isis.Interface	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when an IS-IS interface has an Operational State other than Up.		
Raising condition: ('Operational State' EQUAL 'Down')		
Clearing condition: ('Operational State' NOT EQUAL 'Down')		
Remedial action: Check if underlying port is down, or associated network interface is down.		

Table 17-160 KeepAliveProblem

Alarm	Attributes	Applicable major NE releases
Name: KeepAliveProblem (100) Type: oamAlarm (18) Package: svt Raised on class: svt.Tunnel	Severity: warning Implicitly cleared: true Default probable cause: keepAliveFailed (86)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the 5620 SAM detects a keep-alive protocol status of senderIdInvalid or responderIdError.		
Raising condition: (('Keep-Alive State' NOT EQUAL 'Disabled') AND ('Keep-Alive State' NOT EQUAL 'Alive') AND ('Keep-Alive State' NOT EQUAL 'Unknown'))		
Clearing condition: (('Keep-Alive State' EQUAL 'Disabled') OR ('Keep-Alive State' EQUAL 'Alive') OR ('Keep-Alive State' EQUAL 'Unknown'))		
Remedial action: Check the configuration of this tunnel and underlying physical transport.		

Table 17-161 L2TPDown

Alarm	Attributes	Applicable major NE releases
Name: L2TPDown (841) Type: ProtocolAlarm (1) Package: l2tp Raised on class: l2tp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when an L2TP site becomes administratively down. The alarm clears when the L2TP site becomes administratively up.		
Raising condition: ('Administrative State' EQUAL 'Down')		
Clearing condition: ('Administrative State' EQUAL 'Up')		
Remedial action: This alarm indicates that the L2TP protocol administrative state is down. It is cleared automatically when L2TP administrative state is up again. Please verify the L2TP configuration. This alarm can be safely suppressed if L2TP is not used.		

Table 17-162 LabelProblem

Alarm	Attributes	Applicable major NE releases
Name: LabelProblem (98) Type: CircuitAlarm (17) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: labelProblem (84)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when an ingress or an egress label is missing.		
Raising condition: (('Operational State' EQUAL 'No Egress Label') OR ('Operational State' EQUAL 'No Ingress Label') OR ('Operational State' EQUAL 'No Labels'))		
Clearing condition: (('Operational State' NOT EQUAL 'No Egress Label') AND ('Operational State' NOT EQUAL 'No Ingress Label') AND ('Operational State' NOT EQUAL 'No Labels'))		
Remedial action: An ingress or egress label is missing for the SDP binding.		

Table 17-163 LagDown

Alarm	Attributes	Applicable major NE releases
Name: LagDown (20) Type: equipmentAlarm (3) Package: lag Raised on class: lag.Interface	Severity: critical Implicitly cleared: true Default probable cause: lagDown (17)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when all ports in a LAG are operationally down.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
Clearing condition: (('operationalState' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: This alarm indicates that all physical Ethernet links associated with a LAG are operationally down. The reasons for the links to be down may vary from link to link. The following possible causes of this alarm should be investigated. The physical port (near end or far end may have failed - this can be remedied by replacing the interface card in question. The physical links may have been turned down administratively - re-enable the links. A cable failure or disconnect may have occurred - please ensure that the cables are properly connected to the physical port and and that the cable has not been damaged.		

Table 17-164 LagPortAddFailed

Alarm	Attributes	Applicable major NE releases
Name: LagPortAddFailed (422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: warning Implicitly cleared: true Default probable cause: linkDown (315)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the Lag Port Add function Fails.		
Raising condition: (('state' EQUAL 'Link Down') AND ('LAG ID' > '0'))		
Clearing condition: (('state' NOT EQUAL 'Link Down') OR ('LAG ID' EQUAL '0'))		

(1 of 2)

17 — Alcatel-Lucent 7750 SR MG alarms

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

(2 of 2)

Table 17-165 LdpDown

Alarm	Attributes	Applicable major NE releases
Name: LdpDown (22) Type: ProtocolAlarm (1) Package: Idp Raised on class: Idp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when an LDP site has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: Check operational state down reason and update accordingly.		

Table 17-166 LdpSessionNonexistent

Alarm	Attributes	Applicable major NE releases
Name: LdpSessionNonexistent (2954) Type: LdpSessionAlarm (101) Package: Idp Raised on class: Idp.Session	Severity: critical Implicitly cleared: true Default probable cause: LdpSessionDown (1149)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when an LDP session is non-existent.		
Raising condition: ('Session State' EQUAL 'Non-existent')		
Clearing condition: ('Session State' EQUAL 'Operational')		
Remedial action: Please check the LDP session path to make sure all associated protocols/interfaces/connections are OK.		

Table 17-167 LdpTargetedPeerDown

Alarm	Attributes	Applicable major NE releases
Name: LdpTargetedPeerDown (23) Type: ProtocolAlarm (1) Package: Idp Raised on class: Idp.TargetedPeer	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when an LDP targeted peer is operationally down.		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Raising condition: (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
Clearing condition: (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
Remedial action: Please check the route to LDP targeted peer to make sure all associated protocols/interfaces/connections are OK.		

(2 of 2)

Table 17-168 LicensedLimitExceeded

Alarm	Attributes	Applicable major NE releases
Name: LicensedLimitExceeded (127) Type: licensingAlarm (23) Package: security Raised on class: security.ProductLicense	Severity: critical Implicitly cleared: true Default probable cause: licensedLimitExceeded (106)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the license items in the network exceeds 100 percent of the license capacity.		
Raising condition: ('Exceeded' EQUAL 'true')		
Clearing condition: ('Exceeded' NOT EQUAL 'true')		
Remedial action: Informational - The number of SAM licenses purchased and available on the SAM server is insufficient as compared to the number of NEs/MDA/Cells under management in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

Table 17-169 LineAlarmIndicationSignal

Alarm	Attributes	Applicable major NE releases
Name: LineAlarmIndicationSignal (84) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: lineAlarmIndicationSignal (70)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when a SONET port reports an LAIS error. The alarm corresponds to the lais alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'Line Alarm Indication Signal') AND ('Report Alarms'anyBit'Line Alarm Indication Signal'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Line Alarm Indication Signal') AND ('Report Alarms'anyBit'Line Alarm Indication Signal'))))		
Remedial action: Informational only.		

Table 17-170 LineErrorCondition

Alarm	Attributes	Applicable major NE releases
Name: LineErrorCondition (94) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: lineErrorCondition (80)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when a SONET port reports a line error condition that a remote NE raises because of b1 errors received from the local NE. The alarm corresponds to the lrei alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'Line Error Condition') AND ('Report Alarms'anyBit'Line Error Condition'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Line Error Condition') AND ('Report Alarms'anyBit'Line Error Condition'))))		
Remedial action: Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 17-171 LineRemoteDefectIndication

Alarm	Attributes	Applicable major NE releases
Name: LineRemoteDefectIndication (85) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: lineRemoteDefectIndication (71)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when a SONET port reports a line remote defect indication error caused by an LOF, LOC, or LOS condition. The alarm corresponds to the lrdi alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'Line Remote Defect Indication') AND ('Report Alarms'anyBit'Line Remote Defect Indication'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Line Remote Defect Indication') AND ('Report Alarms'anyBit'Line Remote Defect Indication'))))		
Remedial action: Informational only.		

Table 17-172 LinkDown

Alarm	Attributes	Applicable major NE releases
Name: LinkDown (12) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: portLinkProblem (10)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when a port has no associated physical link or remote end point is operationally down.		
Raising condition: (('compositeEquipmentState' EQUAL 'Link Down') OR ('compositeEquipmentState' EQUAL 'Oper Down'))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: (('compositeEquipmentState' NOT EQUAL 'Link Down') AND ('compositeEquipmentState' NOT EQUAL 'Oper Down'))		
Remedial action: Please make sure that port has physical link and remote end point is operationally up.		

(2 of 2)

Table 17-173 LocalRncvOperDown

Alarm	Attributes	Applicable major NE releases
Name: LocalRncvOperDown (521) Type: redundancyAlarm (52) Package: multichassis Raised on class: multichassis.MultiChassisRingNode	Severity: major Implicitly cleared: true Default probable cause: localRncvDisconnected (396)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the local RNCV Operational State of a ring node is other than Connected or NotTested, which means that the ring node is not connected to the local MC ring group. The alarm clears when the ring node enters the Connected or NotTested state.		
Raising condition: (('Local Operational State' NOT EQUAL 'Connected') AND ('Local Operational State' NOT EQUAL 'Not Tested'))		
Clearing condition: (('Local Operational State' EQUAL 'Connected') OR ('Local Operational State' EQUAL 'Not Tested'))		
Remedial action: Make sure that ring node is properly connected to MC ring group.		

Table 17-174 LossOfClock (sonetequipment)

Alarm	Attributes	Applicable major NE releases
Name: LossOfClock (83) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: lossOfClock (69)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when a SONET port reports an LOC condition, which causes the NE to set the port Operational State to Down.		
Raising condition: (('Outstanding Alarms'anyBit'Loss of Clock') AND ('Report Alarms'anyBit'Loss of Clock'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'Loss of Clock') AND ('Report Alarms'anyBit'Loss of Clock'))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected.		

Table 17-175 LowTemperatureDetected

Alarm	Attributes	Applicable major NE releases
Name: LowTemperatureDetected (1127) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOvercooled (838)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the chassis temperature falls below the minimum threshold.		
Raising condition: ('Low Temperature State' EQUAL 'Low')		
Clearing condition: ('Low Temperature State' NOT EQUAL 'Low')		
Remedial action: The NE has detected internal temperatures which are abnormally low. This may happen when the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 17-176 LspDown

Alarm	Attributes	Applicable major NE releases
Name: LspDown (25) Type: pathAlarm (12) Package: mpls Raised on class: mpls.Lsp	Severity: critical Implicitly cleared: true Default probable cause: LspDown (19)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the Operational State of an LSP is Down, but the Administrative State is Up.		
Raising condition: (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
Clearing condition: (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
Remedial action: So many things can cause LSP down, check if source and destination interfaces are down, LSP path is down and the failure code, or MPLS path is down...		

Table 17-177 LspPathBypassTunnelActive

Alarm	Attributes	Applicable major NE releases
Name: LspPathBypassTunnelActive (264) Type: pathAlarm (12) Package: mpls Raised on class: mpls.LspPath	Severity: warning Implicitly cleared: true Default probable cause: LspPathReroutedToBypassTunnel (197)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when an LSP primary path is rerouted to the bypass tunnel. The alarm clears when the primary path returns to the original tunnel and the actual hop returns to the primary path.		
Raising condition: ('Bypass Tunnel Active' EQUAL 'true')		
Clearing condition: ('Bypass Tunnel Active' EQUAL 'false')		
Remedial action: There is a problem with the original path, check what is the problem and fix it if possible.		

Table 17-178 LspPathDown

Alarm	Attributes	Applicable major NE releases
Name: LspPathDown (26) Type: pathAlarm (12) Package: mpls Raised on class: mpls.LspPath	Severity: major Implicitly cleared: true Default probable cause: LspPathDown (20)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when an LSP path is operationally down.		
Raising condition: (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up') AND ('Type' EQUAL 'Standby'))		
Clearing condition: (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up') OR ('Type' EQUAL 'Secondary'))		
Remedial action: Check the failure code and update accordingly, e.g. whether MPLS/RSVP interfaces, OSPF interfaces are down.		

Table 17-179 macMoveRateExceeded (service)

Alarm	Attributes	Applicable major NE releases
Name: macMoveRateExceeded (3690) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: minor Implicitly cleared: true Default probable cause: MacMoveRateExceeded (1429)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site.		
Raising condition: ('State Cause'anyBit'Relearn Limit Exceeded')		
Clearing condition: NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		
Remedial action: Informational.		

Table 17-180 macMoveRateExceeded (svt)

Alarm	Attributes	Applicable major NE releases
Name: macMoveRateExceeded (3690) Type: SpokeSdpBindingAlarm (104) Package: svt Raised on class: svt.SpokeSdpBinding	Severity: minor Implicitly cleared: true Default probable cause: MacMoveRateExceeded (1429)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the SDP exceeds the Service Site's MAC Move Frequency.		
Raising condition: ('operationalFlags'anyBit'Relearn Limit Exceeded')		
Clearing condition: NOT (('operationalFlags'anyBit'Relearn Limit Exceeded'))		
Remedial action: Check Service Site MAC move frequency or underlying physical link to understand issue.		

Table 17-181 macMoveRateExceededNonBlock (service)

Alarm	Attributes	Applicable major NE releases
Name: macMoveRateExceededNonBlock (4893) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: info Implicitly cleared: true Default probable cause: MacMoveRateExceededNonBlock (1951)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site when limitMacMove(sapTIsLimitMacMove) is set to 'nonBlocking'.		
Raising condition: ('State Cause'anyBit'Relearn Limit Exceeded')		
Clearing condition: NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		
Remedial action: Informational - User can adjust the value of 'MAC Move Maximum Rate' to reduce the frequency of this alarm.		

Table 17-182 macMoveRateExceededNonBlock (svt)

Alarm	Attributes	Applicable major NE releases
Name: macMoveRateExceededNonBlock (4893) Type: SpokeSdpBindingAlarm (104) Package: svt Raised on class: svt.SpokeSdpBinding	Severity: info Implicitly cleared: true Default probable cause: MacMoveRateExceededNonBlock (1951)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the SDP exceeds the Service Site's MAC Move Frequency even when limitMacMove(sdpBindTIsLimitMacMove) is set to 'nonBlocking'.		
Raising condition: ('operationalFlags'anyBit'Relearn Limit Exceeded')		
Clearing condition: NOT (('operationalFlags'anyBit'Relearn Limit Exceeded'))		
Remedial action: Informational - User can adjust the value of 'MAC Move Maximum Rate' to reduce the frequency of this alarm.		

Table 17-183 MCLagDown (lag)

Alarm	Attributes	Applicable major NE releases
Name: MCLagDown (394) Type: equipmentAlarm (3) Package: lag Raised on class: lag.MultiChassisLagSpecifics	Severity: critical Implicitly cleared: true Default probable cause: mclagDown (295)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when all ports in an MC LAG are operationally down.		
Raising condition: (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
Clearing condition: (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		

(1 of 2)

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

(2 of 2)

Table 17-184 MCLagDown (multichassis)

Alarm	Attributes	Applicable major NE releases
Name: MCLagDown (394) Type: equipmentAlarm (3) Package: multichassis Raised on class: multichassis.MultiChassisLagPeerSpecifics	Severity: critical Implicitly cleared: true Default probable cause: mCLagDown (295)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when all ports in an MC LAG are operationally Down.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: This alarm indicates that all physical Ethernet links associated with a LAG are operationally down. The reasons for the links to be down may vary from link to link. The following possible causes of this alarm should be investigated. The physical port (near end or far end may have failed - this can be remedied by replacing the interface card in question. The physical links may have been turned down administratively - re-enable the links. A cable failure or disconnect may have occurred - please ensure that the cables are properly connected to the physical port and and that the cable has not been damaged.		

Table 17-185 McMobileConfigInfo

Alarm	Attributes	Applicable major NE releases
Name: McMobileConfigInfo (4379) Type: integrityViolation (85) Package: multichassis Raised on class: multichassis.MultiChassisPeerMobileGateway	Severity: major Implicitly cleared: false Default probable cause: mismatchPeerSets (199)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the configuration on the peers are erroneous or if they mismatch		
Raising condition: ('Configuration Mismatch Reason' EQUAL '1')		
Remedial action: Check what caused configuration data between the mobile-gateways mismatch and correct the issue for the geo-redundancy to work.		

Table 17-186 McMobileSwitchOver

Alarm	Attributes	Applicable major NE releases
Name: McMobileSwitchOver (4381) Type: equipmentAlarm (3) Package: multichassis Raised on class: multichassis.MultiChassisPeerMobileGateway	Severity: warning Implicitly cleared: false Default probable cause: lossOfRedundancy (1138)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the mobile-gateway participating in geo-redundancy switched over from being a slave to a master or master to a slave		
Raising condition: (('Operational Role' EQUAL '1') OR ('Operational Role' EQUAL '2'))		
Remedial action: Check what caused this switch over and check if the primary mobile-gateway is down.		

Table 17-187 MCPeerEPDown

Alarm	Attributes	Applicable major NE releases
Name: MCPeerEPDown (1069) Type: equipmentAlarm (3) Package: multichassis Raised on class: multichassis.MultiChassisEndpoint	Severity: critical Implicitly cleared: true Default probable cause: MCPeerEPDown (811)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when an MC endpoint is operationally down.		
Raising condition: (('Operational State' NOT EQUAL 'Up') AND ('Administrative State' EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: Bring up the all End Point Members.		

Table 17-188 MepAISReceivedAlarm

Alarm	Attributes	Applicable major NE releases
Name: MepAISReceivedAlarm (2945) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: variable Implicitly cleared: true Default probable cause: missingRemoteMep (388)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when a MEP Receives AIS test frames from one or more of its sub-layer MEPs.		
Raising condition: (('AIS Received (AisRx)' EQUAL 'true') AND ('Facility VLAN ID' EQUAL '0'))		
Clearing condition: ('AIS Received (AisRx)' EQUAL 'false')		
Remedial action: This alarm indicates that it has received a MEP fault from a sub-layer MEP, user should investigate the fault cause on the sub-layer MEP and resolve this root cause issue.		

Table 17-189 MgGroupDown

Alarm	Attributes	Applicable major NE releases
Name: MgGroupDown (837) Type: MgGroupAlarm (75) Package: isa Raised on class: isa.MgIsaGroup	Severity: major Implicitly cleared: true Default probable cause: MgGroupDown (597)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when an MG group goes down.		
Raising condition: ('Group Operational State' EQUAL 'Down')		
Clearing condition: ('Group Operational State' NOT EQUAL 'Down')		
Remedial action: The operational state of the ISA-MG Group is down, despite the administrative state being up. Review the status of the underlying ISA-MG Group Members and ensure they are operational.		

Table 17-190 MigrationCompleted

Alarm	Attributes	Applicable major NE releases
Name: MigrationCompleted (753) Type: migrationComplete (62) Package: equipment Raised on class: equipment.NeCardSwapTask	Severity: info Implicitly cleared: false Default probable cause: migrationComplete (529)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when a card migration event completes.		
Raising condition: ('Status' EQUAL 'Migration completed')		
Remedial action: Informational - no corrective action required.		

Table 17-191 MigrationFailed

Alarm	Attributes	Applicable major NE releases
Name: MigrationFailed (754) Type: migrationFailure (63) Package: equipment Raised on class: equipment.NeCardSwapTask	Severity: major Implicitly cleared: false Default probable cause: migrationFailure (530)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when a card migration event fails.		
Raising condition: (('Status' EQUAL 'Failed - Latest configuration not available') OR ('Status' EQUAL 'Failed - Unable to migrate configuration') OR ('Status' EQUAL 'Failed - Unable to transfer migrated configuration') OR ('Status' EQUAL 'Failed - Unable to reboot network element'))		
Remedial action: This alarm is raised when a card migration fails. The operation has failed for one of the following reasons - a configuration backu could not be created, the configuration transfer failed or the attempt to reboot the card failed. Please re-attempt the migration. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 17-192 MissingLocalEntry

Alarm	Attributes	Applicable major NE releases
Name: MissingLocalEntry (291) Type: configurationAlarm (11) Package: l2fwd Raised on class: l2fwd.ServiceMacProtection	Severity: minor Implicitly cleared: true Default probable cause: Protected_Mac_Address_Not_Global (222)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when a protected MAC address is not configured on all sites of a VPLS. This can occur if the protected MAC address is added or removed using a CLI.		
Raising condition: ('isEntryGlobal' EQUAL 'false')		
Clearing condition: ('isEntryGlobal' EQUAL 'true')		
Remedial action: Configure the 'Protected MAC Address' on all the VPLS sites.		

Table 17-193 MldDown

Alarm	Attributes	Applicable major NE releases
Name: MldDown (587) Type: ProtocolAlarm (1) Package: mld Raised on class: mld.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when an MLD site has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: Check the base router and system are configured correctly.		

Table 17-194 MobileConnectorDown

Alarm	Attributes	Applicable major NE releases
Name: MobileConnectorDown (1064) Type: EpcAlarm (59) Package: lteservice Raised on class: lteservice.MobileServiceConnector	Severity: minor Implicitly cleared: true Default probable cause: EpcDown (519)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the 5620 SAM no longer manages the EPS path instance of this mobile service site. As a result, the service must be regenerated.		
Raising condition: ('EPS Path' EQUAL "\")		
Clearing condition: ('EPS Path' NOT EQUAL "\")		
Remedial action: The underlying transport network has gone down resulting in the deletion of a mobile service connector (EPS path). Correct the issue with the transport network and regenerate the mobile service connector by clicking on the re-calculate button on the mobile service properties form.		

Table 17-195 MobileSiteDown

Alarm	Attributes	Applicable major NE releases
Name: MobileSiteDown (1065) Type: EpcAlarm (59) Package: Iteservice Raised on class: Iteservice.MobileServiceSite	Severity: minor Implicitly cleared: true Default probable cause: EpcDown (519)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the 5620 SAM no longer manages the EPS gateway instance of this mobile service site. As a result, the service must be regenerated.		
Raising condition: ('Evolved Packet System Instance' EQUAL '\')		
Clearing condition: ('Evolved Packet System Instance' NOT EQUAL '\')		
Remedial action: Informational - a topology change due to reconfiguration of the transport network has resulted in deletion of a mobile service site. Regenerate the mobile service site by clicking on the re-calculate button on the mobile service properties form.		

Table 17-196 MplsDown

Alarm	Attributes	Applicable major NE releases
Name: MplsDown (27) Type: ProtocolAlarm (1) Package: mpls Raised on class: mpls.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when an MPLS site has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: Check operational down reason and update accordingly.		

Table 17-197 MplsPathUpdateFailed

Alarm	Attributes	Applicable major NE releases
Name: MplsPathUpdateFailed (1066) Type: pathAlarm (12) Package: mpls Raised on class: mpls.LspPath	Severity: major Implicitly cleared: true Default probable cause: mbbRetryExceeded (804) Applicable probable causes: <ul style="list-style-type: none"> • mbbRetryExceeded • lspPathGoingDown • startingHighPriMbb • restartingMbb • highPriMbbInProg 	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when an MPLS path update fails because of an MBB problem. The alarm clears when the MBB status changes to Successful.		

(1 of 2)

17 – Alcatel-Lucent 7750 SR MG alarms

Alarm	Attributes	Applicable major NE releases
Raising condition: (('mbbStatus' NOT EQUAL 'None') AND ('mbbStatus' NOT EQUAL 'Successful'))		
Clearing condition: (('Last Performed State' EQUAL 'Success') OR ('Administrative' EQUAL 'Down') OR (('Operational' EQUAL 'Up') AND ('Last Performed State' EQUAL 'None')))		
Remedial action: Based on the probable cause, change the parameters and update the path again.		

(2 of 2)

Table 17-198 MrpAttrTblSizeLimitReached

Alarm	Attributes	Applicable major NE releases
Name: MrpAttrTblSizeLimitReached (574) Type: resourceAlarm (28) Package: I2fwd Raised on class: I2fwd.SiteMrp	Severity: major Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the number of MRP attribute table entries for a service site exceeds the high watermark specified by I2fwd.SiteMrp.mrpAttrTblHighWatermark. The alarm clears when the number of MRP attribute table entries for the site drops below the low watermark specified by I2fwd.SiteMrp.mrpAttrTblLowWatermark.		
Raising condition: (('MRP Attribute Count' >= 'MRP Max Attributes') OR ('MRP Attribute Count' >= (('MRP Attribute-Table-High-Watermark' * 'MRP Max Attributes') / 100.0)))		
Clearing condition: (('MRP Attribute Count' < 'MRP Max Attributes') AND (('MRP Attribute-Table-High-Watermark' EQUAL '0') OR ('MRP Attribute Count' < (('MRP Attribute-Table-Low-Watermark' * 'MRP Max Attributes') / 100.0))) AND (('MRP Attribute-Table-Low-Watermark' EQUAL '0') OR ('MRP Attribute Count' < (('MRP Attribute-Table-Low-Watermark' * 'MRP Max Attributes') / 100.0)))		
Remedial action: Informational		

Table 17-199 MsdpDown

Alarm	Attributes	Applicable major NE releases
Name: MsdpDown (353) Type: ProtocolAlarm (1) Package: msdp Raised on class: msdp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when an MSDP site is administratively down. The alarm clears when the site is administratively up.		
Raising condition: (('Administrative State' EQUAL 'Down'))		
Clearing condition: (('Administrative State' NOT EQUAL 'Down'))		
Remedial action: Turn up the MSDP site.		

Table 17-200 MsPwFecRetryExpired

Alarm	Attributes	Applicable major NE releases
Name: MsPwFecRetryExpired (3694) Type: serviceAlarm (16) Package: svt Raised on class: svt.SpokeSdpFec	Severity: minor Implicitly cleared: true Default probable cause: msPwFecRetryExpired (1433)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when a trap is received because of retry expired. The alarm is cleared when the retry starts again.		
Raising condition: ('Retry Expired' EQUAL 'true')		
Clearing condition: ('Retry Expired' EQUAL 'false')		
Remedial action: May need to shutdown the multi-segment pseudo-wire provider edge to restart the retries.		

Table 17-201 MultiChassisRingDown

Alarm	Attributes	Applicable major NE releases
Name: MultiChassisRingDown (520) Type: redundancyAlarm (52) Package: multichassis Raised on class: multichassis.MultiChassisRing	Severity: major Implicitly cleared: true Default probable cause: ringDown (395)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when a MC ring group Operational State is not in the Connected state. The alarm is cleared when the ring group enters the Connected state.		
Raising condition: ('Operational State' NOT EQUAL 'Connected')		
Clearing condition: ('Operational State' EQUAL 'Connected')		
Remedial action: Check if MC ring is admin down, MC Sync is operational up, In-Band Control Connection is up, ring node is up ...		

Table 17-202 MvrConfiguredFromVplsNotExist

Alarm	Attributes	Applicable major NE releases
Name: MvrConfiguredFromVplsNotExist (219) Type: configurationAlarm (11) Package: vpls Raised on classes: <ul style="list-style-type: none"> • vpls.L2AccessInterfaceMldMvrCfg • vpls.L2AccessInterfaceMvrCfg 	Severity: warning Implicitly cleared: true Default probable cause: MvrConfiguredFromVplsNotExist (164)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when an MVR source is an MVR VPLS that does not exist. The alarm clears when the MVR VPLS is created.		
Raising condition: ('fromVplsExists' EQUAL 'false')		
Clearing condition: (('fromVplsExists' EQUAL 'true') OR ('fromVplsId' EQUAL '0L'))		
Remedial action: Create the missing MVR VPLS.		

Table 17-203 MvrConfiguredProxySapNotExist

Alarm	Attributes	Applicable major NE releases
Name: MvrConfiguredProxySapNotExist (220) Type: configurationAlarm (11) Package: vpls Raised on classes: <ul style="list-style-type: none"> vpls.L2AccessInterfaceMldMvrCfg vpls.L2AccessInterfaceMvrCfg 	Severity: warning Implicitly cleared: true Default probable cause: MvrConfiguredProxySapNotExist (165)	<ul style="list-style-type: none"> 4.0 5.0 6.0
Description: The alarm is raised when a configured MVR proxy SAP does not exist. The alarm clears when the proxy SAP is created.		
Raising condition: ('proxySapExists' EQUAL 'false')		
Clearing condition: ('proxySapExists' EQUAL 'true')		
Remedial action: Create the missing proxy SAP.		

Table 17-204 MvrSiteDown

Alarm	Attributes	Applicable major NE releases
Name: MvrSiteDown (162) Type: ProtocolAlarm (1) Package: layer2 Raised on class: layer2.MvrSite	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> 4.0 5.0 6.0
Description: The alarm is raised when MVR is disabled on an NE and a TLS VLAN or MVR VLAN service is provisioned on the NE.		
Raising condition: ('MVR Admin Status' EQUAL 'Disabled')		
Clearing condition: ('MVR Admin Status' EQUAL 'Enabled')		
Remedial action: To clear the alarm, enable MVR Admin Status under the Bridge Instance.		

Table 17-205 NatIsaGrpDown

Alarm	Attributes	Applicable major NE releases
Name: NatIsaGrpDown (3887) Type: equipmentAlarm (3) Package: nat Raised on class: nat.NatIsaGroup	Severity: major Implicitly cleared: true Default probable cause: NatIsaGrpDown (1483)	<ul style="list-style-type: none"> 4.0 5.0 6.0
Description: The alarm is raised when the Operational State of an NAT ISA group is Down and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: The operational state of the ISA-NAT Group is down, despite the administrative state being up. Check that the configured ISA-NAT Group Member MDA(s) are active and operationally up. There may be a fault with the ISA Application NAT Group.		

Table 17-206 NatLsnSubscriberIcmpPortUsageHigh

Alarm	Attributes	Applicable major NE releases
Name: NatLsnSubscriberIcmpPortUsageHigh (4860) Type: thresholdCrossed (6) Package: nat Raised on class: nat.NatManager	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the ICMP port usage of a large-scale NAT subscriber reaches the high or low watermark.		
Remedial action: Review the watermarks configuration to make sure it matches the capacity of your network. If required, deploy extra equipment to deal with the demand.		

Table 17-207 NatLsnSubscriberIcmpPortUsqHigh

Alarm	Attributes	Applicable major NE releases
Name: NatLsnSubscriberIcmpPortUsqHigh (5397) Type: thresholdCrossed (6) Package: nat Raised on class: nat.NatManager	Severity: warning Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the ICMP port usage of a large-scale NAT subscriber reaches the high or low watermark.		
Remedial action: Review the watermarks configuration to make sure it matches the capacity of your network. If required, deploy extra equipment to deal with the demand.		

Table 17-208 NatLsnSubscriberSessionUsageHigh

Alarm	Attributes	Applicable major NE releases
Name: NatLsnSubscriberSessionUsageHigh (4861) Type: thresholdCrossed (6) Package: nat Raised on class: nat.NatManager	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the session usage of a large-scale NAT subscriber reaches the high watermark. The alarm will be cleared when the session usage of a large-scale NAT subscriber reaches its low watermark again.		
Remedial action: Review the watermarks configuration to make sure it matches the capacity of your network.		

Table 17-209 NatLsnSubscriberSessionUsqHigh

Alarm	Attributes	Applicable major NE releases
Name: NatLsnSubscriberSessionUsqHigh (5398) Type: thresholdCrossed (6) Package: nat Raised on class: nat.NatManager	Severity: warning Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the session usage of a large-scale NAT subscriber reaches the high watermark. The alarm will be cleared when the session usage of a large-scale NAT subscriber reaches its low watermark again.		
Remedial action: Review the watermarks configuration to make sure it matches the capacity of your network.		

Table 17-210 NatLsnSubscriberTcpPortUsageHigh

Alarm	Attributes	Applicable major NE releases
Name: NatLsnSubscriberTcpPortUsageHigh (4862) Type: thresholdCrossed (6) Package: nat Raised on class: nat.NatManager	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the TCP port usage of a large-scale NAT subscriber reaches the high or low watermark.		
Remedial action: Review the watermarks configuration to make sure it matches the capacity of your network. If required, deploy extra equipment to deal with the demand.		

Table 17-211 NatLsnSubscriberTcpPortUsqHigh

Alarm	Attributes	Applicable major NE releases
Name: NatLsnSubscriberTcpPortUsqHigh (5399) Type: thresholdCrossed (6) Package: nat Raised on class: nat.NatManager	Severity: warning Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the TCP port usage of a large-scale NAT subscriber reaches the high or low watermark.		
Remedial action: Review the watermarks configuration to make sure it matches the capacity of your network. If required, deploy extra equipment to deal with the demand.		

Table 17-212 NatLsnSubscriberUdpPortUsageHigh

Alarm	Attributes	Applicable major NE releases
Name: NatLsnSubscriberUdpPortUsageHigh (4863) Type: thresholdCrossed (6) Package: nat Raised on class: nat.NatManager	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the UDP port usage of a large-scale NAT subscriber reaches the high or low watermark.		
Remedial action: Review the watermarks configuration to make sure it matches the capacity of your network. If required, deploy extra equipment to deal with the demand.		

Table 17-213 NatLsnSubscriberUdpPortUsqHigh

Alarm	Attributes	Applicable major NE releases
Name: NatLsnSubscriberUdpPortUsqHigh (5400) Type: thresholdCrossed (6) Package: nat Raised on class: nat.NatManager	Severity: warning Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the UDP port usage of a large-scale NAT subscriber reaches the high or low watermark.		
Remedial action: Review the watermarks configuration to make sure it matches the capacity of your network. If required, deploy extra equipment to deal with the demand.		

Table 17-214 NeighborDown

Alarm	Attributes	Applicable major NE releases
Name: NeighborDown (121) Type: NeighborDown (20) Package: ospf Raised on class: ospf.AbstractNeighbor	Severity: major Implicitly cleared: true Default probable cause: NeighborDown (103)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when an OSPF interface neighbor is operationally Down.		
Raising condition: ('Operational State' NOT EQUAL 'full')		
Clearing condition: ('Operational State' EQUAL 'full')		
Remedial action: This alarm is raised when the OSPF interface neighbor is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 17-215 NeManagementAndTrapManagementMismatch

Alarm	Attributes	Applicable major NE releases
Name: NeManagementAndTrapManagementMismatch (1079) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: neManagementChange (817)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: This user-defined alarm is raised when the NE configuration is one of the following: - The Active Management IP is set to Out Of Band, and the Primary Route Preference is set to In Band. - The Active Management IP is set to In Band, and the Primary Route Preference is set to Out of Band.		
Raising condition: (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only')) AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only')) AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'Out Of Band'))))		
Clearing condition: (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only')) AND ('Primary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only')) AND ('Primary Route Preference' EQUAL 'Out Of Band'))))		
Remedial action: A configuration error has been made which must be corrected. The parameters described in the description for this alarm must match.		

Table 17-216 NewSsh2ServerKeyDetected

Alarm	Attributes	Applicable major NE releases
Name: NewSsh2ServerKeyDetected (285) Type: communicationsAlarm (4) Package: security Raised on class: security.KnownHostKey	Severity: warning Implicitly cleared: true Default probable cause: ssh2ServerKeyMismatch (217)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when a 5620 SAM main server detects a new public SSH key.		
Raising condition: ('SSH2 Server Key Status' EQUAL 'Mismatch SSH2 Host Key')		
Clearing condition: ('SSH2 Server Key Status' EQUAL 'Active SSH2 Host Key')		
Remedial action: Informational - possible security breach. The SSH key of the router is different from the one known to the SAM server.		

Table 17-217 NodeDatabaseFallbackDetected

Alarm	Attributes	Applicable major NE releases
Name: NodeDatabaseFallbackDetected (2923) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseFallback (1121)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when a configuration fallback is detected on the node and comes back up with a previous configuration. To correct this situation it might be necessary to reconfigure the node, or perform full resync its database with the 'fallback' configuration returned by the node.		
Raising condition: ('State' EQUAL 'Node Configuration Fallback')		
Clearing condition: ('State' EQUAL 'Managed')		
Remedial action: the NE has come back to a previous configuration. Perform a manual Full Resync or a Reconfigure of the NE		

Table 17-218 NodeDatabaseMisalignmentDetected

Alarm	Attributes	Applicable major NE releases
Name: NodeDatabaseMisalignmentDetected (2924) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseMisalignment (1122)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when a configuration misalignment has been detected on the node and comes back up with an unexpected configuration (configuration change triggered by external tool) To correct this situation it might be necessary to reconfigure the node with the 5620 SAM's old configuration or accept the new configuration received from the node.		
Raising condition: ('State' EQUAL 'Node Configuration Misalignment')		
Clearing condition: ('State' EQUAL 'Managed')		
Remedial action: the NE configuration is misaligned. Perform a resync in order to update SAM configuration according to the NE.		

Table 17-219 NodeRebooted

Alarm	Attributes	Applicable major NE releases
Name: NodeRebooted (32) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: false Default probable cause: nodeReboot (25)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the 5620 SAM detects an NE reboot based on the latest NE sysUpTime value.		
Remedial action: Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 17-220 NodeSuspended

Alarm	Attributes	Applicable major NE releases
Name: NodeSuspended (5123) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: NodeSuspend (2057)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the 5620 SAM detects an NE moved to suspend state as per user request.		
Raising condition: ('SNMP Reachability' EQUAL 'Suspended')		
Clearing condition: ('SNMP Reachability' NOT EQUAL 'Suspended')		
Remedial action: This alarm is raised when user suspends the network element. The alarm will be cleared when the network element is managed back.		

Table 17-221 NoPeerMcRingFound

Alarm	Attributes	Applicable major NE releases
Name: NoPeerMcRingFound (782) Type: configurationAlarm (11) Package: multichassis Raised on class: multichassis.MultiChassisRing	Severity: major Implicitly cleared: true Default probable cause: IncompleteConfig (557)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the 5620 SAM cannot find the peer MC ring.		
Raising condition: ('Peer Multi-Chassis Ring' EQUAL '\')		
Clearing condition: ('Peer Multi-Chassis Ring' NOT EQUAL '\')		
Remedial action: Configure the missing peered MC ring, or delete this one if it is not used.		

Table 17-222 NTPOperDown

Alarm	Attributes	Applicable major NE releases
Name: NTPOperDown (4879) Type: communicationsAlarm (4) Package: ntp Raised on class: ntp.NTP	Severity: info Implicitly cleared: true Default probable cause: NTPOperDown (1943)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is generated when the NTP Operational State is down for NTP.		
Raising condition: (('Operational State' EQUAL 'Down') AND ('NTP State' EQUAL 'Enabled'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('NTP State' EQUAL 'Disabled'))		
Remedial action: Please check if NTP is administratively enabled (Admin State in NTP General Tab). If admin state down, enable it to make NTP operationally up.		

Table 17-223 ObsoleteProtocolInFilter

Alarm	Attributes	Applicable major NE releases
Name: ObsoleteProtocolInFilter (3706) Type: ConfigurationAlarm (15) Package: aapolicy Raised on class: aapolicy.ApplicationFilter	Severity: warning Implicitly cleared: false Default probable cause: obsoleteProtocolInFilter (1446)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when a local application filter refers to an obsolete application assurance protocol.		
Remedial action: Change the application filter configuration to use a protocol that is not Obsolete.		

Table 17-224 OrphanNodeDetected

Alarm	Attributes	Applicable major NE releases
Name: OrphanNodeDetected (4866) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.AdvertisedNode	Severity: major Implicitly cleared: true Default probable cause: nodeNotManagedByAnyEms (1934)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when node is node managed by any EMS after n retries(threshold crossed) it is manually cleared by the operator or when the node is discovered.		
Raising condition: ('state' EQUAL 'orphan')		
Remedial action: The NE is not managed by any SAM.Add an discory rule in order to managed it.		

Table 17-225 OspfInterfaceDown

Alarm	Attributes	Applicable major NE releases
Name: OspfInterfaceDown (141) Type: OspfInterfaceDown (24) Package: ospf Raised on class: ospf.Interface	Severity: warning Implicitly cleared: true Default probable cause: OspfInterfaceDown (112)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when an OSPF interface is operationally down.		
Raising condition: ('operationalState' EQUAL 'Down')		
Clearing condition: ('operationalState' NOT EQUAL 'Down')		
Remedial action: This alarm is raised when the OSPF interface is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 17-226 OverTemperatureDetected

Alarm	Attributes	Applicable major NE releases
Name: OverTemperatureDetected (388) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the chassis temperature exceeds the maximum threshold value.		
Raising condition: ('Over Temperature State' EQUAL 'Over')		
Clearing condition: ('Over Temperature State' NOT EQUAL 'Over')		
Remedial action: The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 17-227 P2MPLSPDown

Alarm	Attributes	Applicable major NE releases
Name: P2MPLSPDown (4378) Type: pathAlarm (12) Package: mpls Raised on class: mpls.P2MPDynamicLsp	Severity: critical Implicitly cleared: true Default probable cause: P2MPLSPDown (1563)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the P2MP LSP Administrative State is Up and the Operational State is Down. The alarm clears when the P2MP LSP Operational State changes to Up or the Administrative State changes to Down.		
Raising condition: (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up'))		
Clearing condition: (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up'))		
Remedial action: The operational state of the P2MP LSP is down, despite the administrative state being up. Review the P2MP Primary Instance or S2LPath to make sure it was configured correctly and Administrative state is up. The physical port near end or far end may have failed - this can be remedied by replacing the interface card in question. The physical links may have been turned down administratively - re-enable the links. A cable failure or disconnect may have occurred - please ensure that the cables are properly connected to the physical port and and that the cable has not been damaged.		

Table 17-228 PartialResyncProblem

Alarm	Attributes	Applicable major NE releases
Name: PartialResyncProblem (4401) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: partialResyncProblem (1578)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when an Partial Resync on an NE fails. For example, when resyncing only some MIB entries as opposed to a full resync. The periodic reachability test (sysUpTime) is not considered a partial resync, neither is a full resync. However, a PartialResyncProblem alarm can only be reset by a FullResync.		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Raising condition: ('partialResyncStatus' EQUAL 'Partial Resync Failed')		
Clearing condition: ('partialResyncStatus' EQUAL 'Partial Resync Done')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE.		

(2 of 2)

Table 17-229 PeerConnectionDown (bgp)

Alarm	Attributes	Applicable major NE releases
Name: PeerConnectionDown (2) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.Peer	Severity: critical Implicitly cleared: true Default probable cause: connectionDown (2)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when a BGP peer has a Connection State other than Established, and the Administrative State of the BGP peer is Up.		
Raising condition: (('Connection State' NOT EQUAL 'Established') AND ('Administrative State' EQUAL 'Up'))		
Clearing condition: (('Connection State' EQUAL 'Established') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: A mismatch in configuration may have occurred. Check the configuration of both peers to rule out a mismatched configuration.		

Table 17-230 PeerConnectionDown (msdp)

Alarm	Attributes	Applicable major NE releases
Name: PeerConnectionDown (2) Type: ProtocolAlarm (1) Package: msdp Raised on class: msdp.CommonPeer	Severity: critical Implicitly cleared: true Default probable cause: connectionDown (2)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the connectionState of this peer changes from Established to a state other than Established. The alarm clears when the connectionState of this peer returns to the Established state.		
Raising condition: (('connectionState' NOT EQUAL 'Established') AND ('administrativeState' EQUAL 'Up'))		
Clearing condition: (('connectionState' EQUAL 'Established') OR ('administrativeState' NOT EQUAL 'Up'))		
Remedial action: Check the configurations of the peer routers.		

Table 17-231 PeerDown (bgp)

Alarm	Attributes	Applicable major NE releases
Name: PeerDown (1) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.Peer	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when a BGP peer has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: The BGP peer entity is down - administratively disable the BGP peer and re-enable it. If toggling the administrative state does not solve the problem check that the physical interface and network connection to the far end peer are up and operational. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 17-232 PeerDown (msdp)

Alarm	Attributes	Applicable major NE releases
Name: PeerDown (1) Type: ProtocolAlarm (1) Package: msdp Raised on class: msdp.CommonPeer	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the Administrative State of a peer changes from Up to Down. The alarm clears when the Administrative State returns to Up.		
Raising condition: (('administrativeState' EQUAL 'Down'))		
Clearing condition: (('administrativeState' NOT EQUAL 'Down'))		
Remedial action: Turn up the Peer.		

Table 17-233 PeerGroupDown (bgp)

Alarm	Attributes	Applicable major NE releases
Name: PeerGroupDown (5) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.PeerGroup	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when a BGP peer group has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: The BGP peer group is down - administratively disable the BGP peer group and re-enable it. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 17-234 PeerGroupDown (msdp)

Alarm	Attributes	Applicable major NE releases
Name: PeerGroupDown (5) Type: ProtocolAlarm (1) Package: msdp Raised on class: msdp.PeerGroup	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the Administrative State of a peer group changes from Up to Down. The alarm clears when the Administrative State returns to Up.		
Raising condition: (('Administrative State' EQUAL 'Down'))		
Clearing condition: (('Administrative State' NOT EQUAL 'Down'))		
Remedial action: Turn up the Group.		

Table 17-235 PeerLacIngressEgressFault

Alarm	Attributes	Applicable major NE releases
Name: PeerLacIngressEgressFault (2929) Type: PeerLacAlarm (98) Package: svt Raised on class: svt.SpokeSdpBinding	Severity: minor Implicitly cleared: true Default probable cause: peerPWStatusBitsChanged (1123)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the Peer Status is Peer LAC Rx Fault and Peer LAC Tx Fault		
Raising condition: (('Peer State Cause'anyBit'Peer LAC Tx Fault') AND ('Peer State Cause'anyBit'Peer LAC Rx Fault'))		
Clearing condition: NOT (((('Peer State Cause'anyBit'Peer LAC Tx Fault') AND ('Peer State Cause'anyBit'Peer LAC Rx Fault'))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 17-236 PersistentIndexParametersMisconfigured

Alarm	Attributes	Applicable major NE releases
Name: PersistentIndexParametersMisconfigured (173) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: persistentIndexConfigurationMismatch (136)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when persistence is set to Off in the NE BOF.		
Raising condition: (('Persistent SNMP Indices' EQUAL 'False') OR (('hasRedundantProcessorCards' EQUAL 'true') AND ('Redundant Synchronization Mode' EQUAL 'None')))		

(1 of 2)

17 – Alcatel-Lucent 7750 SR MG alarms

Alarm	Attributes	Applicable major NE releases
Clearing condition: (('Persistent SNMP Indices' EQUAL 'True') AND (('hasRedundantProcessorCards' EQUAL 'false') OR ('Redundant Synchronization Mode' NOT EQUAL 'None')))		
Remedial action: A configuration error has occurred that must be corrected. Use the CLI on the NE to enable persistency in the BOF. The discovery process will complete on the next discovery scan. A re-scan can be triggered immediately for the NE from within the discovery manager		

(2 of 2)

Table 17-237 PimDown

Alarm	Attributes	Applicable major NE releases
Name: PimDown (184) Type: ProtocolAlarm (1) Package: pim Raised on class: pim.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when a PIM site is administratively Up but operationally Down. The alarm is cleared when the PIM site becomes operationally Up but administratively Down.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: This should never happen. Contact Alcatel-Lucent Customer Support for assistance.		

Table 17-238 PollerProblem

Alarm	Attributes	Applicable major NE releases
Name: PollerProblem (31) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: resyncFailed (24)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
Raising condition: ('Resync Status' EQUAL 'Full Resync Failed')		
Clearing condition: ('Resync Status' EQUAL 'Full Resync Done')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 17-239 PowerSupplyFailure

Alarm	Attributes	Applicable major NE releases
Name: PowerSupplyFailure (633) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: critical Implicitly cleared: true Default probable cause: powerSupplyFailure (117)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when a power-supply tray reports a failure. When the alarm is raised during device discovery, a power-supply tray may be out of service. When the alarm is raised while the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
Raising condition: (('Power Supply 1 Status' EQUAL 'Not Equipped') OR ('Power Supply 1 Status' EQUAL 'Failed'))		
Clearing condition: (('Power Supply 1 Status' EQUAL 'OK'))		
Remedial action: Ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 17-240 PowerSupplyInputFeedDown

Alarm	Attributes	Applicable major NE releases
Name: PowerSupplyInputFeedDown (5422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: minor Implicitly cleared: true Default probable cause: powerSupplyInputFeedDown (2073)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: This alarm is generated if any one of the input feeds for a given power supply is not supplying power.		
Raising condition: (('Input Feed Status' EQUAL 'Input A Down') OR ('Input Feed Status' EQUAL 'Input B Down') OR (('Input Feed Status'allBits'Input A Down') AND ('Input Feed Status'allBits'Input B Down'))		
Clearing condition: ('Input Feed Status' EQUAL 'None')		
Remedial action: Restore all of the input feeds that are not supplying power.		

Table 17-241 PowerSupplyRemoved

Alarm	Attributes	Applicable major NE releases
Name: PowerSupplyRemoved (542) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: major Implicitly cleared: true Default probable cause: PowerSupplyRemoved (415)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when a chassis power supply is removed.		
Raising condition: ('Power Supply 1 Status' EQUAL 'Not Equipped')		
Clearing condition: ('Power Supply 1 Status' NOT EQUAL 'Not Equipped')		
Remedial action: To recover from this event, the customer is requested to add a new power supply to the system, or change a faulty power supply with a working one.		

Table 17-242 PppLoopbackDetected

Alarm	Attributes	Applicable major NE releases
Name: PppLoopbackDetected (362) Type: configurationAlarm (11) Package: ppp Raised on class: ppp.Interface	Severity: major Implicitly cleared: true Default probable cause: PppLoopbackDetected (259)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the value of tmnxPppLocalMagicNumber is the same as the value of tmnxPppRemoteMagicNumber, which indicates that the link may be looped back.		
Raising condition: (('Local Magic Number' EQUAL 'Remote Magic Number') AND ('Local Magic Number' NOT EQUAL '0L'))		
Clearing condition: (('Local Magic Number' NOT EQUAL 'Remote Magic Number') OR ('Local Magic Number' EQUAL '0L'))		
Remedial action: Informational.		

Table 17-243 PrimaryImageBootFailure

Alarm	Attributes	Applicable major NE releases
Name: PrimaryImageBootFailure (191) Type: configurationAlarm (11) Package: sw Raised on class: sw.CardSoftware	Severity: warning Implicitly cleared: true Default probable cause: bootOptionFileMisconfigured (150)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the primary software image specified in an NE BOF is unusable.		
Raising condition: (('imageSource' NOT EQUAL 'Primary') AND ('imageSource' NOT EQUAL 'Unknown'))		
Clearing condition: (('imageSource' EQUAL 'Primary') OR ('imageSource' EQUAL 'Unknown'))		
Remedial action: The SW image on the NE may have been inadvertently corrupted. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

Table 17-244 PrimaryPathLimitReached

Alarm	Attributes	Applicable major NE releases
Name: PrimaryPathLimitReached (457) Type: resourceAlarm (28) Package: equipment Raised on class: equipment.DaughterCard	Severity: warning Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the Ingress Multicast Path Management primary path bandwidth limit is reached.		
Raising condition: (('Primary Path Limit Override' > '0') AND ('Primary Path In use' >= (1000 * 'Primary Path Limit Override'))"		
Clearing condition: (('Primary Path Limit Override' > '0') AND ('Primary Path In use' < (1000 * 'Primary Path Limit Override'))"		
Remedial action: Informational - The alarm is raised when the Ingress Multicast Path Management primary path bandwidth limit is reached. This can be remedied by modifying the primary path limit located at T1 Paths tab of the multicast bandwidth policy which assigned to the card, or increase the primary path limit override located at the Daughter Card tab under Daughter Card Slot form.		

Table 17-245 PTPNotQualified

Alarm	Attributes	Applicable major NE releases
Name: PTPNotQualified (3611) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPNotQualified (1400)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when PTP on an NE is not in the Qualified state.		
Raising condition: (('Qualified For Use' EQUAL 'Not Qualified'))		
Clearing condition: (('Qualified For Use' NOT EQUAL 'Not Qualified'))		
Remedial action: Check the communication path is up between the local PTP slave clock and its selected master		

Table 17-246 PTPPeerLossOfAnnounce

Alarm	Attributes	Applicable major NE releases
Name: PTPPeerLossOfAnnounce (3608) Type: communicationsAlarm (4) Package: ptp Raised on class: ptp.IEEEPTPPeer	Severity: minor Implicitly cleared: true Default probable cause: PTPPeerLossOfAnnounce (1397)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the PTP peer is in the 'Packet Timing Signal Fail (Loss Announce)' state. This indicates that the PTP announce messages are not received from the remote master.		
Raising condition: (('Master GM Alarms'anyBit'Loss of Announce'))		
Clearing condition: NOT (('Master GM Alarms'anyBit'Loss of Announce'))		
Remedial action: Please check if Configured Peer IP address is reachable (ping <Peer Ip>) from the this SR node and PTP configuration is proper.		

Table 17-247 PTPPeerLossOfSync

Alarm	Attributes	Applicable major NE releases
Name: PTPPeerLossOfSync (3609) Type: communicationsAlarm (4) Package: ptp Raised on class: ptp.IEEEPTPPeer	Severity: minor Implicitly cleared: true Default probable cause: PTPPeerLossOfSync (1398)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the PTP peer is in the 'Packet Timing Signal Fail (Loss Sync)' state. This indicates that the PTP timing messages are not received from the remote master.		
Raising condition: (('Master GM Alarms'anyBit'Loss of Sync'))		
Clearing condition: NOT (('Master GM Alarms'anyBit'Loss of Sync'))		
Remedial action: Please check if Configured Peer IP address is reachable (ping <Peer Ip>) from the this SR node and PTP configuration is proper.		

Table 17-248 PTPReferenceLossOfSignal

Alarm	Attributes	Applicable major NE releases
Name: PTPReferenceLossOfSignal (3613) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPReferenceLossOfSignal (1402)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the PTP reference on an NE is not qualified due to Loss of Signal.		
Raising condition: (('Not Qualified Due To'anyBit'LOS'))		
Clearing condition: NOT (('Not Qualified Due To'anyBit'LOS'))		
Remedial action: Check the communication path is up between the local PTP slave clock and its selected master		

Table 17-249 PTPReferenceOutOfFrequency

Alarm	Attributes	Applicable major NE releases
Name: PTPReferenceOutOfFrequency (3614) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPReferenceOutOfFrequency (1403)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the PTP Reference on an NE is not qualified due to Out of frequency.		
Raising condition: (('Not Qualified Due To'anyBit'OOF'))		
Clearing condition: NOT (('Not Qualified Due To'anyBit'OOF'))		
Remedial action: Make sure that frequency configured for Reference One is correct.		

Table 17-250 PTPReferenceOutOfPollInRange

Alarm	Attributes	Applicable major NE releases
Name: PTPReferenceOutOfPollInRange (3615) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPReferenceOutOfPollInRange (1404)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the PTP Reference on an NE is not qualified state due to Out of poll in range.		
Raising condition: (('Not Qualified Due To'anyBit'OOPIR'))		
Clearing condition: NOT (('Not Qualified Due To'anyBit'OOPIR'))		
Remedial action: If there is packet flow, the PTP slave clock is in it's initial acquiring states where the sync-if-timing reference does not qualify just wait.		

Table 17-251 RadiusOperStatusDown

Alarm	Attributes	Applicable major NE releases
Name: RadiusOperStatusDown (3692) Type: radiusOperStatusDownAlarm (105) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: radiusOperationStatusDown (1431)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when all RADIUS servers have gone down.		
Raising condition: ('Global RADIUS Operational State' EQUAL 'Down')		
Clearing condition: ('Global RADIUS Operational State' EQUAL 'Up')		
Remedial action: Verify the RADIUS server is properly configured and radius server state is up. Check the connectivity between SAM server and radius server configured on the Network element.		

Table 17-252 RcaAuditAfterNEUpgradeStatus

Alarm	Attributes	Applicable major NE releases
Name: RcaAuditAfterNEUpgradeStatus (5124) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: info Implicitly cleared: false Default probable cause: rcaAuditStatusAfterNEUpgrade (2058)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the 5620 SAM detects an NE software version upgrade and RCA audit performed.		
Remedial action: Information - Check audit results for details		

Table 17-253 ReachabilityProblem

Alarm	Attributes	Applicable major NE releases
Name: ReachabilityProblem (243) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ReachabilityTestFailed (176)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when an Mediation poll of the SysUpTimeAlarm object on an NE fails, for example, because of network congestion or because the NE is too busy to respond. The probable cause is an unreachable NE Mediation agent on the NE. By default, the 5620 SAM polls a managed NE every two minutes. If a poll fails, the alarm is raised. The 5620 SAM polls the NE two minutes after the first failure. If successive polls fail, the 5620 SAM raises the polling interval for the NE by two minutes after each failure to a maximum of 12 min. The polling interval remains at 12 min until the 5620 SAM receives a response from the NE. The alarm clears when the 5620 SAM receives a response from the NE, and the 5620 SAM GUI icon that represents the NE turns from red to green.		
Raising condition: ('SNMP Reachability' EQUAL 'Down')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 17-254 ReconfigFailure

Alarm	Attributes	Applicable major NE releases
Name: ReconfigFailure (1949) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: failedReconfig (937)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: This alarm is raised when the reconfig action failed.		
Raising condition: ('State' EQUAL 'Failed')		
Clearing condition: ('State' NOT EQUAL 'Failed')		
Remedial action: Verify that the object is configured as expected.		

Table 17-255 RedundantMepMisconfiguration

Alarm	Attributes	Applicable major NE releases
Name: RedundantMepMisconfiguration (3631) Type: oamAlarm (18) Package: ethernetOam Raised on class: ethernetOam.Mep	Severity: minor Implicitly cleared: true Default probable cause: misconfiguredRedundantMep (1416)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when an Active and Redundant MEP do not have the same Id, Operational MAC Address or Sub Group configured.		
Raising condition: ('validRedundantMepConfig' EQUAL 'false')		
Clearing condition: ('validRedundantMepConfig' EQUAL 'true')		
Remedial action: MC-LAG redundant MEP configuration (MEP ID or Mac Address) for Active & Standby Interfaces do not match, this could cause issues with CFM or CCM tests if Active interface changes. Delete and Re-create Standby MEP to match Active.		

Table 17-256 RedundantMepMissing

Alarm	Attributes	Applicable major NE releases
Name: RedundantMepMissing (3632) Type: oamAlarm (18) Package: ethernetOam Raised on class: ethernetOam.Mep	Severity: minor Implicitly cleared: true Default probable cause: missingRedundantMep (1417)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when a MEP misses a redundant counterpart on LAG or SAP.		
Raising condition: (('MC-LAG Inactive' NOT EQUAL 'Not Applicable') AND ('Redundant MEP' EQUAL '\'))		
Clearing condition: (('MC-LAG Inactive' EQUAL 'Not Applicable') OR (('MC-LAG Inactive' NOT EQUAL 'Not Applicable') AND ('Redundant MEP' NOT EQUAL '\')))		
Remedial action: MC-LAG redundant MEP is missing Active & Standby Interfaces, this will cause issues with CFM or CCM tests if Active interface changes. Create missing Active/Standby MEP to match existing.		

Table 17-257 RemoteMepCCMAAlarm

Alarm	Attributes	Applicable major NE releases
Name: RemoteMepCCMAAlarm (502) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: major Implicitly cleared: true Default probable cause: missingRemoteMep (388)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when a MEP loses connectivity with one or more remote MEPs. The Remote MEP DB State tab on a MEP lists the missing remote MEPs.		
Raising condition: ('High-Priority Defect' NOT EQUAL '0')		
Clearing condition: ('High-Priority Defect' EQUAL '0')		
Remedial action: MEP has lost communication with Remote MEP defined in Maintenance Association (MEG) Remote MEP list, Either Remote MEP list is incorrect or diagnose connection fault and resolve.		

Table 17-258 RemoteRncvOperDown

Alarm	Attributes	Applicable major NE releases
Name: RemoteRncvOperDown (522) Type: redundancyAlarm (52) Package: multichassis Raised on class: multichassis.MultiChassisRingNode	Severity: major Implicitly cleared: true Default probable cause: remoteRncvDisconnected (397)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the remote RNCV Operational State of a ring node is other than Connected or NotTested, which means that the ring node is not connected to the local MC ring group. The alarm clears when the ring node enters the Connected or NotTested state.		
Raising condition: (('Remote Operational State' NOT EQUAL 'Connected') AND ('Remote Operational State' NOT EQUAL 'Not Tested'))		
Clearing condition: (('Remote Operational State' EQUAL 'Connected') OR ('Remote Operational State' EQUAL 'Not Tested'))		
Remedial action: Make sure that ring node is properly connected to MC ring group.		

Table 17-259 RipDown

Alarm	Attributes	Applicable major NE releases
Name: RipDown (72) Type: ProtocolAlarm (1) Package: rip Raised on class: rip.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when a RIP site has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: The RIP Site is down while it is administratively up. Please check the node e.g. IOM is not shutdown or installed.		

Table 17-260 RouteDistinguisherNotConfigured

Alarm	Attributes	Applicable major NE releases
Name: RouteDistinguisherNotConfigured (142) Type: configurationAlarm (11) Package: l3fwd Raised on class: l3fwd.ServiceSite	Severity: major Implicitly cleared: true Default probable cause: routeDistinguisherNotConfigured (113)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when no RD is configured for an L3 service site.		
Raising condition: ('routeDistinguisher' EQUAL '\00 00 00 00 00 00 00\')		
Clearing condition: ('routeDistinguisher' NOT EQUAL '\00 00 00 00 00 00 00\')		
Remedial action: A configuration error has occurred which must be corrected. The RD must be configured on the L3 Service Site in question.		

Table 17-261 RsvpDown

Alarm	Attributes	Applicable major NE releases
Name: RsvpDown (74) Type: ProtocolAlarm (1) Package: rsvp Raised on class: rsvp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when an RSVP site has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: The RSVP Site is down while it is administratively up. Please check MPLS is enabled and administratively up.		

Table 17-262 RxSectionSynchronizationError

Alarm	Attributes	Applicable major NE releases
Name: RxSectionSynchronizationError (93) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: rxSectionSynchronizationError (79)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when a SONET port reports a section synchronization failure. A section synchronization failure occurs when the S1 byte is inconsistent for eight consecutive frames.		
Raising condition: (('Outstanding Alarms'anyBit'RX Section Synchronization Error') AND ('Report Alarms'anyBit'RX Section Synchronization Error'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'RX Section Synchronization Error') AND ('Report Alarms'anyBit'RX Section Synchronization Error'))		
Remedial action: Check the link status between SONET Port and the source.		

Table 17-263 S2LPathBypassTunnelActive

Alarm	Attributes	Applicable major NE releases
Name: S2LPathBypassTunnelActive (777) Type: pathAlarm (12) Package: mpls Raised on class: mpls.S2LPath	Severity: warning Implicitly cleared: true Default probable cause: S2LPathReroutedToBypassTunnel (552)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the bypass tunnel in an S2L path becomes active. The alarm clears when the bypass tunnel is no longer active, for example, because a primary tunnel failure is resolved or a new path is established.		
Raising condition: ('Bypass Tunnel Active' EQUAL 'true')		
Clearing condition: ('Bypass Tunnel Active' EQUAL 'false')		
Remedial action: Check what caused primary tunnel is down and fix it if possible.		

Table 17-264 S2LPathDown

Alarm	Attributes	Applicable major NE releases
Name: S2LPathDown (778) Type: pathAlarm (12) Package: mpls Raised on class: mpls.S2LPath	Severity: major Implicitly cleared: true Default probable cause: S2LPathDown (553)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the S2L path Administrative State is Up and the Operational State is not Up. The alarm clears when the S2L path Operational State changes to Up or the Administrative State changes to Down.		
Raising condition: (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up'))		
Clearing condition: (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up'))		
Remedial action: Check the failure code and update accordingly, e.g. whether MPLS/RSVP interfaces, OSPF interfaces are down.		

Table 17-265 SaveConfigFailed

Alarm	Attributes	Applicable major NE releases
Name: SaveConfigFailed (105) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileAccessError (90)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the admin save command on an NE fails.		
Raising condition: ('Config Save State' EQUAL 'Failure')		
Clearing condition: ('Config Save State' EQUAL 'Success')		
Remedial action: Attempt the admin save command a second time. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 17-266 ScheduledPollerProblem

Alarm	Attributes	Applicable major NE releases
Name: ScheduledPollerProblem (4386) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: scheduledResyncFailed (1569)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
Raising condition: ('Scheduled Resync Status' EQUAL 'Scheduled Resync Failed')		
Clearing condition: ('Scheduled Resync Status' EQUAL 'Scheduled Resync Done')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 17-267 SdpBindingDown

Alarm	Attributes	Applicable major NE releases
Name: SdpBindingDown (221) Type: SdpBindingAlarm (30) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: SdpBindingNotReady (166)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when an SDP binding has an Operational State other than Up.		
Raising condition: (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'Standby For BGP Multi-Homing'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'Standby For BGP Multi-Homing'))		
Remedial action: To resolve this alarm check the SDP binding to determine if a configuration mismatch exists. If configuration is determined to be correct then the associated network interface may be down. Further investigation is required to determine why the underlying network interface is down.		

Table 17-268 SdpBindingTunnelDown

Alarm	Attributes	Applicable major NE releases
Name: SdpBindingTunnelDown (222) Type: CircuitAlarm (17) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: SdpTunnelNotReady (167)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when an SDP binding tunnel has an Operational State other than Up.		
Raising condition: (('Operational State' EQUAL 'Tunnel Not Ready') OR ('Operational State' EQUAL 'Tunnel Down'))		
Clearing condition: (('Operational State' NOT EQUAL 'Tunnel Not Ready') AND ('Operational State' NOT EQUAL 'Tunnel Down'))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: To resolve this alarm check the endpoints of the SDP binding to determine if a configuration mismatch exists. If configuration matches then the underlying network resource between the endpoints of the SDP may be down. Further investigation is required to determine why the underlying transport network is down.		

(2 of 2)

Table 17-269 SdpEgressIfsNetDomainInConsistent

Alarm	Attributes	Applicable major NE releases
Name: SdpEgressIfsNetDomainInConsistent (3616) Type: resourceAlarm (28) Package: svt Raised on class: svt.Tunnel	Severity: warning Implicitly cleared: true Default probable cause: sdpEgressIfsNetDomainInConsistent (1405)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the SDP egress interface's consistency state changes to inconsistent.		
Raising condition: ('Egress Interfaces Consistency State' EQUAL '3')		
Clearing condition: ('Egress Interfaces Consistency State' EQUAL '2')		
Remedial action: To resolve this alarm check egress interfaces of the SDP configuration. If configuration is determined to be correct check underlying physical transport. Further investigation is required.		

Table 17-270 SecondaryPathLimitReached

Alarm	Attributes	Applicable major NE releases
Name: SecondaryPathLimitReached (458) Type: resourceAlarm (28) Package: equipment Raised on class: equipment.DaughterCard	Severity: warning Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the Ingress Multicast Path Management secondary path bandwidth limit is reached.		
Raising condition: (('Secondary Path Limit Override' > '0') AND ('Secondary Path In use' >= (1000 * 'Secondary Path Limit Override'))"		
Clearing condition: (('Secondary Path Limit Override' > '0') AND ('Secondary Path In use' < (1000 * 'Secondary Path Limit Override'))"		
Remedial action: Informational - The alarm is raised when the Ingress Multicast Path Management secondary path bandwidth limit is reached. This can be remedied by modifying the secondary path limit located at T1 Paths tab of the multicast bandwidth policy which assigned to the card, or increase the secondary path limit override located at the Daughter Card tab under Daughter Card Slot form.		

Table 17-271 SectionB1Error

Alarm	Attributes	Applicable major NE releases
Name: SectionB1Error (87) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: sectionB1Error (73)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when a SONET port reports a section error condition that a remote NE raises because of b1 errors received from the local NE. The alarm corresponds to the lrei alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'Section B1 Error') AND ('Report Alarms'anyBit'Section B1 Error'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Section B1 Error') AND ('Report Alarms'anyBit'Section B1 Error'))		
Remedial action: Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 17-272 SectionLossOfFrame

Alarm	Attributes	Applicable major NE releases
Name: SectionLossOfFrame (90) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: sectionLossOfFrame (76)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when a SONET port reports a SLOF error. The alarm corresponds to the slof alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'Section Loss of Frame') AND ('Report Alarms'anyBit'Section Loss of Frame'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Section Loss of Frame') AND ('Report Alarms'anyBit'Section Loss of Frame'))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected.		

Table 17-273 SectionLossOfSignal

Alarm	Attributes	Applicable major NE releases
Name: SectionLossOfSignal (91) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: sectionLossOfSignal (77)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when a SONET port reports a SLOS error. The alarm corresponds to the slos alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'Section Loss of Signal') AND ('Report Alarms'anyBit'Section Loss of Signal'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Section Loss of Signal') AND ('Report Alarms'anyBit'Section Loss of Signal'))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected.		

(2 of 2)

Table 17-274 SectionS1Failure

Alarm	Attributes	Applicable major NE releases
Name: SectionS1Failure (86) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: sectionS1Failure (72)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when a SONET port reports a section synchronization failure. A section synchronization failure occurs when the S1 byte is inconsistent for eight consecutive frames.		
Raising condition: (('Outstanding Alarms'anyBit'Section S1 Failure') AND ('Report Alarms'anyBit'Section S1 Failure'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'Section S1 Failure') AND ('Report Alarms'anyBit'Section S1 Failure'))		
Remedial action: Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 17-275 ServiceSiteDown

Alarm	Attributes	Applicable major NE releases
Name: ServiceSiteDown (97) Type: serviceAlarm (16) Package: service Raised on class: service.Site	Severity: critical Implicitly cleared: true Default probable cause: siteDown (83)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when all SAPs on a site are operationally down, or when the service tunnels for the site are operationally down.		
Raising condition: (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'All Spoke SDP Bindings are Standby'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'All Spoke SDP Bindings are Standby'))		
Remedial action: The network resources (i.e. physical ports for SAPs, or physical ports/LSP) associated with the service site should be examined to determine if/why they are operationally down. The underlying transport network supporting the site may also be unreliable.		

Table 17-276 SessionDown

Alarm	Attributes	Applicable major NE releases
Name: SessionDown (73) Type: ProtocolAlarm (1) Package: rsvp Raised on class: rsvp.Session	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when an RSVP session is operationally down.		
Raising condition: ('Operational State' EQUAL 'Down')		
Clearing condition: ('Operational State' EQUAL 'Up')		
Remedial action: Please check the RSVP session path to make sure all associated protocols/interfaces/connections are OK.		

Table 17-277 ShamLinkDown

Alarm	Attributes	Applicable major NE releases
Name: ShamLinkDown (665) Type: ShamLinkAlarm (57) Package: ospf Raised on class: ospf.ShamLink	Severity: critical Implicitly cleared: true Default probable cause: ShamLinkDown (492)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when a sham link is operationally down.		
Raising condition: ('Operational State' EQUAL 'Down')		
Clearing condition: ('Operational State' NOT EQUAL 'Down')		
Remedial action: This alarm is raised when the OSPF sham link is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 17-278 SingleSFMOverloadDetected

Alarm	Attributes	Applicable major NE releases
Name: SingleSFMOverloadDetected (843) Type: ProtocolAlarm (1) Package: l3fwd Raised on class: l3fwd.Site	Severity: major Implicitly cleared: true Default probable cause: signleSfmOverloadDetected (601)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when a device reports a single-SFM overload. The alarm clears when the VR exits the Overload state.		
Raising condition: ('Overload State' EQUAL 'Overload')		
Clearing condition: ('Overload State' EQUAL 'Normal')		
Remedial action: Information - if the the problem persists please contact Alcatel-Lucent support for assistance.		

Table 17-279 SonetPathAlarmIndicationSignal

Alarm	Attributes	Applicable major NE releases
Name: SonetPathAlarmIndicationSignal (129) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathAlarmIndicationSignal (63)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when a SONET port reports a PAIS error. The alarm corresponds to the pais alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'Path Alarm Indication Signal') AND ('Report Alarms'anyBit'Path Alarm Indication Signal'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Path Alarm Indication Signal') AND ('Report Alarms'anyBit'Path Alarm Indication Signal'))))		
Remedial action: Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 17-280 SonetPathB3Error

Alarm	Attributes	Applicable major NE releases
Name: SonetPathB3Error (132) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathB3Error (66)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when a SONET port reports a path error condition because of b3 errors. The alarm corresponds to the prei alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'Path B3 error') AND ('Report Alarms'anyBit'Path B3 error'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Path B3 error') AND ('Report Alarms'anyBit'Path B3 error'))))		
Remedial action: Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 17-281 SonetPathLossOfCodegroupDelineationError

Alarm	Attributes	Applicable major NE releases
Name: SonetPathLossOfCodegroupDelineationError (248) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathLossOfCodegroupDelineationError (185)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when a SONET port reports a PLCD error. The alarm corresponds to the plcd alarm on an NE.		

(1 of 2)

17 – Alcatel-Lucent 7750 SR MG alarms

Alarm	Attributes	Applicable major NE releases
Raising condition: (('Outstanding Alarms'anyBit'Path Loss of Codegroup Delineation Error') AND ('Report Alarms'anyBit'Path Loss of Codegroup Delineation Error'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Path Loss of Codegroup Delineation Error') AND ('Report Alarms'anyBit'Path Loss of Codegroup Delineation Error'))))		
Remedial action: Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

(2 of 2)

Table 17-282 SonetPathLossOfPointer

Alarm	Attributes	Applicable major NE releases
Name: SonetPathLossOfPointer (130) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathLossOfPointer (64)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when a SONET port reports a PLOP error. The alarm corresponds to the plop alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'Path Loss of Pointer') AND ('Report Alarms'anyBit'Path Loss of Pointer'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Path Loss of Pointer') AND ('Report Alarms'anyBit'Path Loss of Pointer'))))		
Remedial action: Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 17-283 SonetPathPayloadMismatch

Alarm	Attributes	Applicable major NE releases
Name: SonetPathPayloadMismatch (133) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathPayloadMismatch (67)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when a SONET port reports a PPLM error on a channel, after which the channel is set operationally down. The alarm corresponds to the pplm alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'Path Payload Mismatch') AND ('Report Alarms'anyBit'Path Payload Mismatch'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Path Payload Mismatch') AND ('Report Alarms'anyBit'Path Payload Mismatch'))))		
Remedial action: Informational only.		

Table 17-284 SonetPathRemoteB3Error

Alarm	Attributes	Applicable major NE releases
Name: SonetPathRemoteB3Error (134) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathRemoteB3Error (68)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when a SONET port reports a path error condition that a remote NE raises because of b3 errors received from the local NE. The alarm corresponds to the prei alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'Path Remote B3 Error') AND ('Report Alarms'anyBit'Path Remote B3 Error'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Path Remote B3 Error') AND ('Report Alarms'anyBit'Path Remote B3 Error'))		
Remedial action: Check the remote NE is configured correctly and its physical layer cabling is operating correctly.		

Table 17-285 SonetPathRemoteDefectIndication

Alarm	Attributes	Applicable major NE releases
Name: SonetPathRemoteDefectIndication (131) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathRemoteDefectIndication (65)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when a SONET port reports a remote PAIS error. The alarm corresponds to the pais alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'Path Remote Defect Indication') AND ('Report Alarms'anyBit'Path Remote Defect Indication'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Path Remote Defect Indication') AND ('Report Alarms'anyBit'Path Remote Defect Indication'))		
Remedial action: Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 17-286 SonetPathUnequippedPathError

Alarm	Attributes	Applicable major NE releases
Name: SonetPathUnequippedPathError (143) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathUnequippedPathError (114)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when a SONET port reports a path unequipped error. The alarm corresponds to the Path Alarm Unequipped Path Error alarm on an NE.		

(1 of 2)

17 – Alcatel-Lucent 7750 SR MG alarms

Alarm	Attributes	Applicable major NE releases
Raising condition: (('Outstanding Alarms'anyBit'Path Alarm Unequipped Path Error') AND ('Report Alarms'anyBit'Path Alarm Unequipped Path Error'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Path Alarm Unequipped Path Error') AND ('Report Alarms'anyBit'Path Alarm Unequipped Path Error'))))		
Remedial action: Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

(2 of 2)

Table 17-287 StatsRetrieveFailed

Alarm	Attributes	Applicable major NE releases
Name: StatsRetrieveFailed (244) Type: configurationAlarm (11) Package: sw Raised on class: sw.AccountingStatsRetrievalManager	Severity: major Implicitly cleared: false Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the 5620 SAM main or auxiliary server cannot transfer an accounting file from an NE.		
Raising condition: (('Stats Retrieval State' NOT EQUAL 'Success') AND ('Stats Retrieval State' NOT EQUAL 'Not Attempted'))		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy or otherwise cannot respond to the 5620 SAM main or auxiliary server.		

Table 17-288 StpExceptionCondition

Alarm	Attributes	Applicable major NE releases
Name: StpExceptionCondition (297) Type: AccessInterfaceAlarm (32) Package: I2fwd Raised on class: I2fwd.AccessInterfaceStp	Severity: major Implicitly cleared: true Default probable cause: StpException (228)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when a SAP detects an STP exception condition, for example, one-way communication or a downstream loop. The alarm clears when the STP condition changes.		
Raising condition: (('STP Exception Condition' NOT EQUAL 'None') AND ('Administrative State' EQUAL 'Up'))		
Clearing condition: (('STP Exception Condition' EQUAL 'None') OR ('Administrative State' EQUAL 'Down'))		
Remedial action: Check 'STP Exception Condition' field for more details and fix the STP exception.		

Table 17-289 StpRootGuardViolation

Alarm	Attributes	Applicable major NE releases
Name: StpRootGuardViolation (503) Type: AccessInterfaceAlarm (32) Package: l2fwd Raised on class: l2fwd.AccessInterfaceStp	Severity: warning Implicitly cleared: true Default probable cause: spanningTreeTopologyChanged (331)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when a SAP detects an STP root guard violation.		
Raising condition: ('Root Guard Violation' EQUAL 'true')		
Clearing condition: ('Root Guard Violation' NOT EQUAL 'true')		
Remedial action: Set 'Root Guard' to false if not necessary.		

Table 17-290 SubscriberInterfaceDown

Alarm	Attributes	Applicable major NE releases
Name: SubscriberInterfaceDown (440) Type: SubscriberInterfaceAlarm (43) Package: service Raised on class: service.SubscriberInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when a subscriber interface is operationally down. The alarm clears when the subscriber interface is operationally up.		
Raising condition: ('operationalState' NOT EQUAL 'Up')		
Clearing condition: ('operationalState' EQUAL 'Up')		
Remedial action: Check the configuration and the underlying physical interface.		

Table 17-291 SubscriberSystemNextHopUsageHigh

Alarm	Attributes	Applicable major NE releases
Name: SubscriberSystemNextHopUsageHigh (5157) Type: thresholdCrossed (6) Package: netw Raised on class: netw.NetworkElement	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit.		
Raising condition: ('IP Next Hop Usage High' EQUAL 'true')		
Clearing condition: ('IP Next Hop Usage High' EQUAL 'false')		

(1 of 2)

17 – Alcatel-Lucent 7750 SR MG alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit. There is no immediate effect, but when the usage actually hits the limit, new hosts will not get their managed routes.		

(2 of 2)

Table 17-292 TemperatureThresholdCrossed

Alarm	Attributes	Applicable major NE releases
Name: TemperatureThresholdCrossed (7) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Environment	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when a temperature crosses a threshold.		
Raising condition: ('temperatureThresholdCrossed' EQUAL 'true')		
Clearing condition: ('temperatureThresholdCrossed' EQUAL 'false')		
Remedial action: The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 17-293 TmnxEqPortEtherLoopDetected

Alarm	Attributes	Applicable major NE releases
Name: TmnxEqPortEtherLoopDetected (461) Type: portEtherLoopDetected (48) Package: ethernetEquipment Raised on class: ethernetEquipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when a device detects a physical loop on an Ethernet port.		
Raising condition: (('Down When Looped Status' EQUAL 'Loop Detected'))		
Clearing condition: (('Down When Looped Status' EQUAL 'No Loop Detected'))		
Remedial action: An Ethernet port has been mis-cabled - please remove the loopback cable on the port.		

Table 17-294 TMSInterfaceDown

Alarm	Attributes	Applicable major NE releases
Name: TMSInterfaceDown (3907) Type: TMSInterfaceDown (112) Package: service Raised on class: service.TmsInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when a TMS interface is operationally down. The alarm clears when the TMS interface is operationally up.		
Raising condition: ('operationalState' NOT EQUAL 'Up')		
Clearing condition: ('operationalState' EQUAL 'Up')		
Remedial action: This alarm indicates TMS Interface configured is operational down.		

Table 17-295 TrapDestinationMisconfigured

Alarm	Attributes	Applicable major NE releases
Name: TrapDestinationMisconfigured (33) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: trapDestinationMisconfigured (26) Applicable probable causes: <ul style="list-style-type: none"> • trapDestinationMisconfigured • duplicateTrapLogId 	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the 5620 SAM cannot be added to the NE's SNMP trap destinations.		
Raising condition: ('isTrapDestinationMisconfigured' EQUAL 'true')		
Clearing condition: ('isTrapDestinationMisconfigured' EQUAL 'false')		
Remedial action: A configuration error has been made which must be corrected. The SNMP trap destination on the NE must be configured to the IP address of the SAM server.		

Table 17-296 TrapReceivingFailure

Alarm	Attributes	Applicable major NE releases
Name: TrapReceivingFailure (1083) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: false Default probable cause: trapsWillNotBeSent (822)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: This user-defined alarm is raised when the NE is unable to send traps because the NE configuration is one of the following: - The Management IP Selection is set to Out Of Band Only, the Primary Route Preference is set to In Band, and the Secondary Route Preference is set to None. - The Management IP Selection is set to In Band Only, the Primary Route Preference is set to Out Of Band, and the Secondary Route Preference is set to None.		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Raising condition: (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
Clearing condition: (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND ('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND ('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band'))))		
Remedial action: A configuration error has been made which must be corrected. The configuration error must be corrected per the discussion in the description for this alarm.		

(2 of 2)

Table 17-297 TrapRoutePreferenceRedundancyMissing

Alarm	Attributes	Applicable major NE releases
Name: TrapRoutePreferenceRedundancyMissing (1084) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: trapsRedundancyMissing (823)	<ul style="list-style-type: none"> 4.0 5.0 6.0
Description: The user-defined alarm is raised when NE management redundancy is configured without trap route preference redundancy.		
Raising condition: (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
Clearing condition: (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Secondary Route Preference' NOT EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Secondary Route Preference' NOT EQUAL 'None'))))		
Remedial action: A configuration error has been made which must be corrected. The IP address of the standby SAM server must be configured on the NE in question.		

Table 17-298 TunnelAdministrativelyDown (mpls)

Alarm	Attributes	Applicable major NE releases
Name: TunnelAdministrativelyDown (523) Type: pathAlarm (12) Package: mpls Raised on class: mpls.Tunnel	Severity: minor Implicitly cleared: true Default probable cause: tunnelAdministrativelyDown (333)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the 5620 SAM detects that an MPLS path is administratively down.		
Raising condition: ('Administrative' NOT EQUAL 'Up')		
Clearing condition: ('Administrative' EQUAL 'Up')		
Remedial action: Turn up the corresponding MPLS path.		

Table 17-299 TunnelAdministrativelyDown (svt)

Alarm	Attributes	Applicable major NE releases
Name: TunnelAdministrativelyDown (523) Type: pathAlarm (12) Package: svt Raised on class: svt.Tunnel	Severity: minor Implicitly cleared: true Default probable cause: tunnelAdministrativelyDown (333)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the 5620 SAM detects that a service tunnel is administratively down.		
Raising condition: ('administrativeState' NOT EQUAL 'Up')		
Clearing condition: ('administrativeState' EQUAL 'Up')		
Remedial action: Informational - an operator has manually turned down a service tunnel.		

Table 17-300 TunnelDown (mpls)

Alarm	Attributes	Applicable major NE releases
Name: TunnelDown (30) Type: pathAlarm (12) Package: mpls Raised on class: mpls.Tunnel	Severity: warning Implicitly cleared: true Default probable cause: tunnelDown (23)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when an MPLS path has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up'))		
Clearing condition: (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up'))		
Remedial action: Check the network resources along the path.		

Table 17-301 TunnelDown (svt)

Alarm	Attributes	Applicable major NE releases
Name: TunnelDown (30) Type: pathAlarm (12) Package: svt Raised on class: svt.AbstractTunnel	Severity: critical Implicitly cleared: true Default probable cause: tunnelDown (23)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the 5620 SAM detects that a service tunnel is operationally down.		
Raising condition: (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up'))		
Clearing condition: (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up'))		
Remedial action: This alarm indicates that a problem has been made in the underlying transport network. If the alarm persists or re-occurs frequently then investigation of the underlying transport issues is warranted.		

Table 17-302 TxSectionSynchronizationError

Alarm	Attributes	Applicable major NE releases
Name: TxSectionSynchronizationError (92) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: txSectionSynchronizationError (78)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when a SONET port reports an SS1F error. The alarm corresponds to the ss1f alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'TX Section Synchronization Error') AND ('Report Alarms'anyBit'TX Section Synchronization Error'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'TX Section Synchronization Error') AND ('Report Alarms'anyBit'TX Section Synchronization Error'))		
Remedial action: Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 17-303 UnidentifiedNode

Alarm	Attributes	Applicable major NE releases
Name: UnidentifiedNode (1922) Type: communicationsAlarm (4) Package: netw Raised on class: netw.DiscoveredNode	Severity: major Implicitly cleared: true Default probable cause: unidentifiedNode (922)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the node being discovered can not be properly identified.		
Raising condition: ('State' EQUAL 'Pending Identification')		
Clearing condition: ('State' NOT EQUAL 'Pending Identification')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: A configuration error has occurred that must be corrected. The eNodeB does not have a system name. The name can be configured by selecting the alarm, opening the associated properties form for the alarmed object and configuring the system name.		

(2 of 2)

Table 17-304 UnmanageFailed

Alarm	Attributes	Applicable major NE releases
Name: UnmanageFailed (300) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.NodeDiscoveryControl	Severity: warning Implicitly cleared: true Default probable cause: unableToDeleteNode (231)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when an attempt to unmanage an NE fails.		
Raising condition: ('Site State' EQUAL 'unmanage failed')		
Clearing condition: ('Site State' NOT EQUAL 'unmanage failed')		
Remedial action: Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 17-305 unsupportedPortUsage

Alarm	Attributes	Applicable major NE releases
Name: unsupportedPortUsage (5184) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: warning Implicitly cleared: true Default probable cause: incompatiblePortUsage (2100)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised in case unsupported port type is configured		
Raising condition: (('portId' >= '1L') AND ('portId' <= '4L') AND ('specificCardType' EQUAL 'EASv2') AND (('Port Usage' EQUAL 'MPT-HC') OR ('Port Usage' EQUAL 'MPT-MC')))"		
Clearing condition: NOT (((('portId' >= '1L') AND ('portId' <= '4L') AND ('specificCardType' EQUAL 'EASv2') AND (('Port Usage' EQUAL 'MPT-HC') OR ('Port Usage' EQUAL 'MPT-MC')))))"		
Remedial action: This alarm indicates unsupported port usage. Port usage configured on the NE is not supported by SAM.		

Table 17-306 UpgradedBuildVersionMismatch

Alarm	Attributes	Applicable major NE releases
Name: UpgradedBuildVersionMismatch (174) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: upgradedImageNotBooted (137)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the software version that an NE reports after a software upgrade does not match the version of the software used for the upgrade.		
Raising condition: ('upgradedBuildVersionMismatch' EQUAL 'true')		
Clearing condition: ('upgradedBuildVersionMismatch' EQUAL 'false')		
Remedial action: Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 17-307 upgradedCardAlarm

Alarm	Attributes	Applicable major NE releases
Name: upgradedCardAlarm (255) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: upgradedCard (194)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the standby CPM is rebooted and operational after a software upgrade. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
Raising condition: ('operationalState' EQUAL 'Upgrade')		
Clearing condition: ('operationalState' EQUAL 'Up')		
Remedial action: Informational - no corrective action required.		

Table 17-308 VersionConfigRestoreFailed

Alarm	Attributes	Applicable major NE releases
Name: VersionConfigRestoreFailed (536) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: versionMismatch (405)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the restore procedure on an NE fails because of a mismatch between the backup file set version and the NE software version.		
Raising condition: ('lastNmsVersionRestoreState' EQUAL 'Failure')		
Clearing condition: ('lastNmsVersionRestoreState' EQUAL 'Success')		
Remedial action: The backup files being restored do not match with the version of node software release. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

Table 17-309 VideoInterfaceDown

Alarm	Attributes	Applicable major NE releases
Name: VideoInterfaceDown (794) Type: VideoInterfaceAlarm (72) Package: service Raised on class: service.VideoInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when a video interface is operationally down. The alarm clears when the video interface is operationally up.		
Raising condition: ('Operational State' NOT EQUAL 'Up')		
Clearing condition: ('Operational State' EQUAL 'Up')		
Remedial action: Check the configuration and the underlying physical interface.		

Table 17-310 VirtualLinkDown

Alarm	Attributes	Applicable major NE releases
Name: VirtualLinkDown (122) Type: VirtualLinkAlarm (21) Package: ospf Raised on class: ospf.VirtualLink	Severity: warning Implicitly cleared: true Default probable cause: VirtualLinkDown (104)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when a virtual link is Down.		
Raising condition: ('Operational State' EQUAL 'Down')		
Clearing condition: ('Operational State' NOT EQUAL 'Down')		
Remedial action: This alarm is raised when the OSPF virtual link is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 17-311 VirtualNeighborDown

Alarm	Attributes	Applicable major NE releases
Name: VirtualNeighborDown (123) Type: VirtualNeighborDown (22) Package: ospf Raised on classes: <ul style="list-style-type: none"> • ospf.ShamLink • ospf.VirtualLink 	Severity: warning Implicitly cleared: true Default probable cause: VirtualNeighborDown (105)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when a neighbor virtual link is operationally down.		
Raising condition: ('neighborCount' EQUAL '0L')		
Clearing condition: ('neighborCount' NOT EQUAL '0L')		

(1 of 2)

17 – Alcatel-Lucent 7750 SR MG alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: This alarm is raised when the OSPF neighbor virtual link is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

(2 of 2)

Table 17-312 WaveTrackerEncoderDegrade

Alarm	Attributes	Applicable major NE releases
Name: WaveTrackerEncoderDegrade (821) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.WaveLengthTracker	Severity: major Implicitly cleared: true Default probable cause: EncoderDegrade (584)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when a device reports an encoder degradation on a wavelength tracker interface.		
Raising condition: (('Configured Alarms'anyBit'Encoder Degrade') AND ('Reported Alarms'anyBit'Encoder Degrade'))		
Clearing condition: NOT (('Configured Alarms'anyBit'Encoder Degrade') AND ('Reported Alarms'anyBit'Encoder Degrade'))		
Remedial action: The OT or SVAC card has detected a DSP failure and this means that the wavelength tracker encode power control is compromised. If this occurs during steady state operation, there is a high probability that the services carried by this OT or SVAC are unaffected. To clear this alarm, replace the card. The card replacement procedure is service affecting and should be conducted during a maintenance window.		

Table 17-313 WaveTrackerEncoderFailure

Alarm	Attributes	Applicable major NE releases
Name: WaveTrackerEncoderFailure (822) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.WaveLengthTracker	Severity: major Implicitly cleared: true Default probable cause: EncoderFailure (585)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when a device reports an encoder failure on a wavelength tracker interface.		
Raising condition: (('Configured Alarms'anyBit'Encoder Failure') AND ('Reported Alarms'anyBit'Encoder Failure'))		
Clearing condition: NOT (('Configured Alarms'anyBit'Encoder Failure') AND ('Reported Alarms'anyBit'Encoder Failure'))		
Remedial action: A cold reset, reseal, or replacement of a card is service impacting if the card is currently carrying services. If there are services currently carried over the card, it may be best to wait for a maintenance window before resetting, replacing, or resealing the card. Confirm that replacement OT or SVAC card supports the same band as the alarmed OT or SVAC card and connect all fibers to the replacement OT or SVAC card.		

Table 17-314 WaveTrackerMissingPluggableVOA

Alarm	Attributes	Applicable major NE releases
Name: WaveTrackerMissingPluggableVOA (4618) Type: communicationsAlarm (4) Package: ethernetEquipment Raised on class: ethernetEquipment.WaveLengthTracker	Severity: major Implicitly cleared: true Default probable cause: MissingPluggableVOA (1887)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when a device reports a power control high limit on a wavelength tracker interface.		
Raising condition: (('Configured Alarms'anyBit'Missing Pluggable VOA') AND ('Reported Alarms'anyBit'Missing Pluggable VOA'))		
Clearing condition: NOT (((('Configured Alarms'anyBit'Missing Pluggable VOA') AND ('Reported Alarms'anyBit'Missing Pluggable VOA'))))		
Remedial action: Informational - no corrective action required.		

Table 17-315 WaveTrackerPowerControlDegrade

Alarm	Attributes	Applicable major NE releases
Name: WaveTrackerPowerControlDegrade (823) Type: communicationsAlarm (4) Package: ethernetEquipment Raised on class: ethernetEquipment.WaveLengthTracker	Severity: major Implicitly cleared: true Default probable cause: PowerControlDegrade (586)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when a device reports a power control degradation on a wavelength tracker interface.		
Raising condition: (('Configured Alarms'anyBit'Power Control Degrade') AND ('Reported Alarms'anyBit'Power Control Degrade'))		
Clearing condition: NOT (((('Configured Alarms'anyBit'Power Control Degrade') AND ('Reported Alarms'anyBit'Power Control Degrade'))))		
Remedial action: check to see that the fiber for that card is correct. Remove the fiber from the Tx port on the transponder card. If the condition clears after 20 seconds, then this is a misfiber problem.		

Table 17-316 WaveTrackerPowerControlFailure

Alarm	Attributes	Applicable major NE releases
Name: WaveTrackerPowerControlFailure (824) Type: communicationsAlarm (4) Package: ethernetEquipment Raised on class: ethernetEquipment.WaveLengthTracker	Severity: critical Implicitly cleared: true Default probable cause: PowerControlFailure (587)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when a device reports a power control failure on a wavelength tracker interface.		
Raising condition: (('Configured Alarms'anyBit'Power Control Failure') AND ('Reported Alarms'anyBit'Power Control Failure'))		
Clearing condition: NOT (((('Configured Alarms'anyBit'Power Control Failure') AND ('Reported Alarms'anyBit'Power Control Failure'))))		

(1 of 2)

17 – Alcatel-Lucent 7750 SR MG alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: Either alarmed card has detected equipment problem or there is misfibering problem such that a light-emitting fiber has been plugged into the Tx port of aWavelength Tracker encoder-equipped transponder card.If the card is a transponder card that is equipped with aWavelength Tracker encoder, check to see that the fibering for that card is correct. Remove the fiber from the Tx port on the transponder card. If the condition clears after 20 seconds, then this is a misfibering problem.the card is an SVAC, or if there is no fibering problem on the transponder card.Disconnect all fibers on the alarmed card and Replace the card. connect all fibers to the replacement card		

(2 of 2)

Table 17-317 WaveTrackerPowerControlHighlimit

Alarm	Attributes	Applicable major NE releases
Name: WaveTrackerPowerControlHighlimit (825) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.WaveLengthTracker	Severity: major Implicitly cleared: true Default probable cause: PowerControlHighlimit (588)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when a device reports a power control high limit on a wavelength tracker interface.		
Raising condition: (('Configured Alarms'anyBit'Power Control High limit reached') AND ('Reported Alarms'anyBit'Power Control High limit reached'))		
Clearing condition: NOT (((('Configured Alarms'anyBit'Power Control High limit reached') AND ('Reported Alarms'anyBit'Power Control High limit reached'))))		
Remedial action: Informational - no corrective action required.		

Table 17-318 WaveTrackerPowerControllowlimit

Alarm	Attributes	Applicable major NE releases
Name: WaveTrackerPowerControllowlimit (826) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.WaveLengthTracker	Severity: major Implicitly cleared: true Default probable cause: PowerControllowlimit (589)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when a device reports a power control low limit on a wavelength tracker interface.		
Raising condition: (('Configured Alarms'anyBit'Power Control Low limit reached') AND ('Reported Alarms'anyBit'Power Control Low limit reached'))		
Clearing condition: NOT (((('Configured Alarms'anyBit'Power Control Low limit reached') AND ('Reported Alarms'anyBit'Power Control Low limit reached'))))		
Remedial action: Informational - no corrective action required.		

Table 17-319 WrongCpaaSoftwareVersion

Alarm	Attributes	Applicable major NE releases
Name: WrongCpaaSoftwareVersion (791) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: wrongCpaaSoftwareVersion (559)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when the 7701 CPAA software is the wrong version and requires an upgrade.		
Raising condition: (('Software Version' EQUAL '\TiMOS-B-3.0.Generic \') AND ('Chassis Type' EQUAL '7701 CPAA'))		
Clearing condition: (('Software Version' NOT EQUAL '\TiMOS-B-3.0.Generic \') AND ('Chassis Type' EQUAL '7701 CPAA'))		
Remedial action: The SW version of the CPAA must be upgraded to the version compatible with CPAM version.		

Table 17-320 XplError

Alarm	Attributes	Applicable major NE releases
Name: XplError (573) Type: hardwareAnomaly (55) Package: equipment Raised on class: equipment.DaughterCard	Severity: minor Implicitly cleared: true Default probable cause: xplError (443)	<ul style="list-style-type: none"> • 4.0 • 5.0 • 6.0
Description: The alarm is raised when an MDA reports persistent XPL Errors.		
Raising condition: ('Number Of Notifications' NOT EQUAL '0')		
Clearing condition: ('Number Of Notifications' EQUAL '0')		
Remedial action: Informational - if the condition persists then the MDA indicated in the alarm should be replaced.		

18 — Alcatel-Lucent 7950 XRS alarms



Note — Some alarms that the 5620 SAM can raise against this device may not be listed in this chapter. Associating alarms with specific NE types is an ongoing Alcatel-Lucent effort. If the 5620 SAM raises an alarm against this device type, and the alarm is not described in this chapter, see chapter 35 for information about the alarm.

Table 18-1 AccessInterfaceDown

Alarm	Attributes	Applicable major NE releases
Name: AccessInterfaceDown (249) Type: AccessInterfaceAlarm (32) Package: service Raised on class: service.AccessInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when an L2 or L3 interface operational state is Down. The alarm is not raised against an L2 access interface that is associated with an MC ring or MC LAG in the standby state.		
Raising condition: (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'Standby For MC-Ring') AND ('State Cause' NOT EQUAL 'Standby For MC-Lag') AND ('State Cause' NOT EQUAL 'Standby For BGP Multi-homing'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'Standby For MC-Ring') OR ('State Cause' EQUAL 'Standby For MC-Lag') OR ('State Cause' EQUAL 'Standby For BGP Multi-homing'))		
Remedial action: The condition exists because the physical interface is down either because it is administratively disabled, faulty or a cabling fault has occurred. Ensure that the interface is administratively up. Check for a poor cable connection to the port or for a faulty cable/fiber. If neither appears to be the problem run diagnostics on the port to determine if it is faulty.		

Table 18-2 ActiveAbnormalCondition

Alarm	Attributes	Applicable major NE releases
Name: ActiveAbnormalCondition (3938) Type: activeAbnormalConditionAlarm (116) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ActiveAbnormalConditionState (1520)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is an indication for abnormal condition on NE.		
Raising condition: ('abnormalCondition' EQUAL 'true')		
Clearing condition: ('abnormalCondition' EQUAL 'false')		
Remedial action: This alarm is raised when there is a abnormal state indication on NE.		

Table 18-3 AGWDiameterPeerDown

Alarm	Attributes	Applicable major NE releases
Name: AGWDiameterPeerDown (844) Type: EpcAlarm (59) Package: lte Raised on class: lte.AGWDiameterPeer	Severity: variable Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the path management state of a Diameter peer changes to a state other than Up.		
Raising condition: ('Path Diameter Management State' NOT EQUAL 'Active')		
Clearing condition: ('Path Diameter Management State' EQUAL 'Active')		
Remedial action: A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

Table 18-4 AncillaryPathLimitReached

Alarm	Attributes	Applicable major NE releases
Name: AncillaryPathLimitReached (459) Type: resourceAlarm (28) Package: equipment Raised on class: equipment.DaughterCard	Severity: warning Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the Ingress Multicast Path Management ancillary path bandwidth limit is reached.		
Raising condition: (('Ancillary Path Limit Override' > '0') AND ('Ancillary Path In use' >= (1000 * 'Ancillary Path Limit Override')))"		
Clearing condition: (('Ancillary Path Limit Override' > '0') AND ('Ancillary Path In use' < (1000 * 'Ancillary Path Limit Override')))"		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: Informational - The alarm is raised when the Ingress Multicast Path Management ancillary path bandwidth limit is reached. This can be remedied by modifying the ancillary path limit located at T1 Paths tab of the multicast bandwidth policy which assigned to the card, or increase the ancillary path limit override located at the Daughter Card tab under Daughter Card Slot form.		

(2 of 2)

Table 18-5 AreaTypeMismatch

Alarm	Attributes	Applicable major NE releases
Name: AreaTypeMismatch (38) Type: configurationAlarm (11) Package: ospf Raised on class: ospf.Area	Severity: warning Implicitly cleared: true Default probable cause: areaTypeMisconfigured (34)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when an OSPF area on one NE is configured as an NSSA and the same OSPF area on another NE is configured as a stub area.		
Raising condition: ('Type Mismatch' EQUAL 'true')		
Clearing condition: ('Type Mismatch' EQUAL 'false')		
Remedial action: A configuration error has been made which must be corrected. The OSPF area type configured for the NE does not match with the same OSPF area configured on another NE. Compare the configuration on the endpoint and correct the mismatch.		

Table 18-6 AsymmetricalConfig (lag)

Alarm	Attributes	Applicable major NE releases
Name: AsymmetricalConfig (295) Type: configurationAlarm (11) Package: lag Raised on classes: <ul style="list-style-type: none"> • lag.MultiChassisLag • lag.MultiChassisLagMember 	Severity: major Implicitly cleared: true Default probable cause: asymmetricalConfig (226)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the members of an MC LAG do not have matching configurations.		
Raising condition: ('configMismatches' NOT EQUAL '0L')		
Clearing condition: ('configMismatches' EQUAL '0L')		
Remedial action: Check configurations on both members to see anything not matched.		

Table 18-7 AsymmetricalConfig (multichassis)

Alarm	Attributes	Applicable major NE releases
Name: AsymmetricalConfig (295) Type: configurationAlarm (11) Package: multichassis Raised on classes: <ul style="list-style-type: none"> multichassis.AbstractMultiChassisLag multichassis.MultiChassisLagMember multichassis.AbstractMultiChassisPeer 	Severity: major Implicitly cleared: true Default probable cause: asymmetricalConfig (226)	<ul style="list-style-type: none"> 10.0 11.0 11.0.R4 12.0
Description: The alarm is raised when there is a peer configuration mismatch that prevents MC operation.		
Raising condition: ('Config Mismatches' NOT EQUAL '0L')		
Clearing condition: ('Config Mismatches' EQUAL '0L')		
Remedial action: Check configurations on both members to see anything not matched.		

Table 18-8 AtcaPowerSupplyFailure

Alarm	Attributes	Applicable major NE releases
Name: AtcaPowerSupplyFailure (1125) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupply	Severity: critical Implicitly cleared: true Default probable cause: fanFailure (116)	<ul style="list-style-type: none"> 11.0 11.0.R4 12.0
Description: The alarm is raised when the associated power supply is not operationally Up.		
Raising condition: (('operationalState' EQUAL 'Disabled'))		
Clearing condition: ('operationalState' EQUAL 'Enabled')		
Remedial action: Check the status of the site power supply.		

Table 18-9 AuthKeyConflict (rsvp)

Alarm	Attributes	Applicable major NE releases
Name: AuthKeyConflict (5188) Type: processingErrorAlarm (81) Package: rsvp Raised on class: rsvp.AuthenticationKey	Severity: warning Implicitly cleared: true Default probable cause: AuthKeyConflict (2103)	<ul style="list-style-type: none"> 10.0 11.0 11.0.R4 12.0
Description: The alarm is raised when both Authentication Key and RSVP Keychain are configured. RSVP Keychain will be used.		
Raising condition: (('RSVP Keychain' NOT EQUAL "") AND ('enableAuthentication' EQUAL 'true'))		
Clearing condition: (('RSVP Keychain' EQUAL "") OR ('enableAuthentication' NOT EQUAL 'true'))		
Remedial action: Authentication Key and RSVP Keychain are both configured. RSVP Keychain will be used. The alarm is cleared when only one is configured.		

Table 18-10 AuxiliaryServerStatus

Alarm	Attributes	Applicable major NE releases
Name: AuxiliaryServerStatus (311) Type: communicationsAlarm (4) Package: server Raised on class: server.AuxiliaryServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when a 5620 SAM main server cannot communicate with an auxiliary server. The alarm clears when communication is restored.		
Raising condition: ('Server Status' EQUAL 'Down')		
Clearing condition: ('Server Status' EQUAL 'Up')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the AUX and SAM servers is unreliable.		

Table 18-11 BerLineSignalDegradation

Alarm	Attributes	Applicable major NE releases
Name: BerLineSignalDegradation (88) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: berLineSignalDegradation (74)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when a SONET port reports a line signal degradation BER error. The alarm corresponds to the lb2er-sd alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'BER Line Signal Degradation') AND ('Report Alarms'anyBit'BER Line Signal Degradation'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'BER Line Signal Degradation') AND ('Report Alarms'anyBit'BER Line Signal Degradation'))))		
Remedial action: Informational only.		

Table 18-12 BerLineSignalFailure

Alarm	Attributes	Applicable major NE releases
Name: BerLineSignalFailure (89) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: berLineSignalFailure (75)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when a SONET port reports a line signal degradation BER error. The alarm corresponds to the lb2er-sf alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'BER Line Signal Failure') AND ('Report Alarms'anyBit'BER Line Signal Failure'))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: NOT (((('Outstanding Alarms'anyBit'BER Line Signal Failure') AND ('Report Alarms'anyBit'BER Line Signal Failure'))))		
Remedial action: Informational only.		

(2 of 2)

Table 18-13 BfdInterfaceConnectionBroken

Alarm	Attributes	Applicable major NE releases
Name: BfdInterfaceConnectionBroken (3329) Type: serviceAlarm (16) Package: vrrp Raised on class: vrrp.BfdInterface	Severity: minor Implicitly cleared: true Default probable cause: bfdSessionConnectionBroken (593)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the BFD connection to a peer times out.		
Raising condition: ('Operational State' EQUAL 'Timed Out')		
Clearing condition: ('Operational State' NOT EQUAL 'Timed Out')		
Remedial action: Check the peer router, fix the BFD connection		

Table 18-14 BfdInterfaceConnectionDown

Alarm	Attributes	Applicable major NE releases
Name: BfdInterfaceConnectionDown (3330) Type: serviceAlarm (16) Package: vrrp Raised on class: vrrp.BfdInterface	Severity: minor Implicitly cleared: true Default probable cause: bfdSessionDown (346)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the Operational State of a BFD session is Not Connected.		
Raising condition: ('Operational State' NOT EQUAL 'Operational')		
Clearing condition: ('Operational State' EQUAL 'Operational')		
Remedial action: Check the BFD interface configuration, fix the BFD connection		

Table 18-15 BfdInterfaceConnectionPeerDetectsDown

Alarm	Attributes	Applicable major NE releases
Name: BfdInterfaceConnectionPeerDetectsDown (3331) Type: serviceAlarm (16) Package: vrrp Raised on class: vrrp.BfdInterface	Severity: minor Implicitly cleared: true Default probable cause: bfdSessionConnectionPeerDetectsDown (594)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when a BFD peer detects a connection timeout.		
Raising condition: ('Operational State' EQUAL 'Down')		
Clearing condition: ('Operational State' NOT EQUAL 'Down')		
Remedial action: Fix the BFD connection		

Table 18-16 BgpDown

Alarm	Attributes	Applicable major NE releases
Name: BgpDown (6) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when a BGP instance has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: The BGP protocol entity is down - administratively disable BGP and re-enable. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 18-17 BITS2NotQualified

Alarm	Attributes	Applicable major NE releases
Name: BITS2NotQualified (1941) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: timingReferenceNotQualified (418)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the BITS-2 timing reference on an NE is not in the Qualified state.		
Raising condition: (('Qualified For Use' EQUAL 'Not Qualified') AND ('Input Administrative State' NOT EQUAL 'Down'))		
Clearing condition: (('Qualified For Use' NOT EQUAL 'Not Qualified') OR ('Input Administrative State' EQUAL 'Down'))		
Remedial action: Make sure that BITS2 is qualified		

Table 18-18 BITSNotQualified

Alarm	Attributes	Applicable major NE releases
Name: BITSNotQualified (547) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: timingReferenceNotQualified (418)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the BITS timing reference on an NE is not in the Qualified state.		
Raising condition: (('Qualified For Use' EQUAL 'Not Qualified') AND ('Output Administrative State' NOT EQUAL 'Down'))		
Clearing condition: (('Qualified For Use' NOT EQUAL 'Not Qualified') OR ('Output Administrative State' EQUAL 'Down'))		
Remedial action: Make sure that BITS is qualified		

Table 18-19 BITSReferenceLossOfSignal

Alarm	Attributes	Applicable major NE releases
Name: BITSReferenceLossOfSignal (1950) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: BITSReferenceLossOfSignal (938)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the BITS reference on an NE is not qualified due to Loss of Signal.		
Raising condition: (('Not Qualified Due To'anyBit'LOS'))		
Clearing condition: NOT (('Not Qualified Due To'anyBit'LOS'))		
Remedial action: Make sure that peer connected to BITS is properly configured.		

Table 18-20 BITSReferenceOutOfFrequency

Alarm	Attributes	Applicable major NE releases
Name: BITSReferenceOutOfFrequency (1951) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: BITSReferenceOutOfFrequency (939)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the BITS Reference on an NE is not qualified due to Out of frequency.		
Raising condition: (('Not Qualified Due To'anyBit'OOF'))		
Clearing condition: NOT (('Not Qualified Due To'anyBit'OOF'))		
Remedial action: Make sure that frequency configured for BITS is correct.		

Table 18-21 BITSReferenceOutOfPollInRange

Alarm	Attributes	Applicable major NE releases
Name: BITSReferenceOutOfPollInRange (1952) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: BITSReferenceOutOfPollInRange (940)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the BITS Reference on an NE is not qualified state due to Out of poll in range.		
Raising condition: (('Not Qualified Due To'anyBit'OOPIR'))		
Clearing condition: NOT (('Not Qualified Due To'anyBit'OOPIR'))		
Remedial action: Check the BITS is configured correctly. Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary		

Table 18-22 BootableConfigBackupFailed

Alarm	Attributes	Applicable major NE releases
Name: BootableConfigBackupFailed (103) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the 5620 SAM fails to back up a set of NE configuration files.		
Raising condition: ('Backup State' EQUAL 'Failure')		
Clearing condition: ('Backup State' EQUAL 'Success')		
Remedial action: Investigation is required to resolve the following possible scenarios: insufficient disk space is available to accommodate the NE configuration files (additional SAM platform alarms will accompany this alarm); the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

Table 18-23 BootableConfigRestoreFailed

Alarm	Attributes	Applicable major NE releases
Name: BootableConfigRestoreFailed (104) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the 5620 SAM fails to restore a set of NE configuration files.		
Raising condition: ('Restore State' EQUAL 'Failure')		
Clearing condition: ('Restore State' EQUAL 'Success')		

(1 of 2)

18 – Alcatel-Lucent 7950 XRS alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: Investigation is required to resolve the following possible scenarios: the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

(2 of 2)

Table 18-24 BootParametersMisconfigured

Alarm	Attributes	Applicable major NE releases
Name: BootParametersMisconfigured (35) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: persistentIndexFailure (30) Applicable probable causes: <ul style="list-style-type: none"> • persistentIndexFailure • configFileBootFailure 	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the SNMP Index Boot Status on an NE is not set to Persistent.		
Raising condition: (('isGenericNode' EQUAL 'false') AND ('State' NOT EQUAL 'Pre-provisioned') AND (('Config File Status' NOT EQUAL 'Executed Successfully') OR ('Persistent Index Status' NOT EQUAL 'Rebuild Succeeded')))		
Clearing condition: (('Config File Status' EQUAL 'Executed Successfully') AND ('Persistent Index Status' EQUAL 'Rebuild Succeeded'))		
Remedial action: Ensure that "SNMP Index Boot Status" is persistent (using cli command "show system information" on the NE). If not, unmanage the network element from SAM, ensure that "persist on" is set in the bof file, save the bof, save a config file, verify that an index file (.ndx) is saved as well, reboot the router, verify that SNMP Index Boot Status is persistent and finally remanage the router from SAM.		

Table 18-25 CesBfrOverrun

Alarm	Attributes	Applicable major NE releases
Name: CesBfrOverrun (448) Type: communicationsAlarm (4) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: major Implicitly cleared: true Default probable cause: bufferOverrun (322)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the 5620 SAM detects a jitter buffer overrun.		
Raising condition: (('Report Alarm Status'anyBit'Buffer Overrun') AND ('Report Alarm'anyBit'Buffer Overrun'))		
Clearing condition: NOT (((('Report Alarm Status'anyBit'Buffer Overrun') AND ('Report Alarm'anyBit'Buffer Overrun'))		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 18-26 CesBfrUnderrun

Alarm	Attributes	Applicable major NE releases
Name: CesBfrUnderrun (449) Type: communicationsAlarm (4) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: major Implicitly cleared: true Default probable cause: bufferOverrun (322)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the 5620 SAM detects a jitter buffer underrun.		
Raising condition: (('Report Alarm Status'anyBit'Buffer Underrun') AND ('Report Alarm'anyBit'Buffer Underrun'))		
Clearing condition: NOT (((('Report Alarm Status'anyBit'Buffer Underrun') AND ('Report Alarm'anyBit'Buffer Underrun'))		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 18-27 CesMalformedPkts

Alarm	Attributes	Applicable major NE releases
Name: CesMalformedPkts (446) Type: communicationsAlarm (4) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: major Implicitly cleared: true Default probable cause: malformedPackets (320)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the 5620 SAM detects one or more malformed packets.		
Raising condition: (('Report Alarm Status'anyBit'Malformed Packets') AND ('Report Alarm'anyBit'Malformed Packets'))		
Clearing condition: NOT (((('Report Alarm Status'anyBit'Malformed Packets') AND ('Report Alarm'anyBit'Malformed Packets'))		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 18-28 CesPktLoss

Alarm	Attributes	Applicable major NE releases
Name: CesPktLoss (447) Type: communicationsAlarm (4) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: major Implicitly cleared: true Default probable cause: lossOfPacket (321)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the 5620 SAM detects a packet loss.		
Raising condition: (('Report Alarm Status'anyBit'Packet Loss') AND ('Report Alarm'anyBit'Packet Loss'))		
Clearing condition: NOT (((('Report Alarm Status'anyBit'Packet Loss') AND ('Report Alarm'anyBit'Packet Loss'))		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 18-29 CesRmtPktLoss

Alarm	Attributes	Applicable major NE releases
Name: CesRmtPktLoss (450) Type: communicationsAlarm (4) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: minor Implicitly cleared: true Default probable cause: farEndLossOfPacket (323)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the 5620 SAM detects a remote packet loss.		
Raising condition: (('Report Alarm Status'anyBit'Remote Packet Loss') AND ('Report Alarm'anyBit'Remote Packet Loss'))		
Clearing condition: NOT (((('Report Alarm Status'anyBit'Remote Packet Loss') AND ('Report Alarm'anyBit'Remote Packet Loss'))		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 18-30 CesRmtRdi

Alarm	Attributes	Applicable major NE releases
Name: CesRmtRdi (452) Type: configurationAlarm (11) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: minor Implicitly cleared: false Default probable cause: farEndRdi (325)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the 5620 SAM detects a remote RDI.		
Raising condition: (('Report Alarm Status'anyBit'Remote RDI') AND ('Report Alarm'anyBit'Remote RDI'))		
Clearing condition: NOT (((('Report Alarm Status'anyBit'Remote RDI') AND ('Report Alarm'anyBit'Remote RDI'))		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 18-31 CesRmtTdmFault

Alarm	Attributes	Applicable major NE releases
Name: CesRmtTdmFault (451) Type: configurationAlarm (11) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: minor Implicitly cleared: false Default probable cause: tdmFarEndFault (324)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the 5620 SAM detects a remote TDM fault.		
Raising condition: (('Report Alarm Status'anyBit'Remote TDM Fault') AND ('Report Alarm'anyBit'Remote TDM Fault'))		
Clearing condition: NOT (((('Report Alarm Status'anyBit'Remote TDM Fault') AND ('Report Alarm'anyBit'Remote TDM Fault'))		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 18-32 CesStrayPkts

Alarm	Attributes	Applicable major NE releases
Name: CesStrayPkts (445) Type: communicationsAlarm (4) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: minor Implicitly cleared: true Default probable cause: strayPackets (319)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the 5620 SAM detects received stray packets.		
Raising condition: (('Report Alarm Status'anyBit'Stray Packets') AND ('Report Alarm'anyBit'Stray Packets'))		
Clearing condition: NOT (((('Report Alarm Status'anyBit'Stray Packets') AND ('Report Alarm'anyBit'Stray Packets'))))		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 18-33 CircuitStpExceptionCondition

Alarm	Attributes	Applicable major NE releases
Name: CircuitStpExceptionCondition (648) Type: SdpBindingAlarm (30) Package: l2fwd Raised on class: l2fwd.CircuitStp	Severity: major Implicitly cleared: true Default probable cause: StpException (228)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when an NE detects an STP exception condition on a SAP, for example, one-way communication or a downstream loop. The alarm clears when the STP status changes.		
Raising condition: (('STP Exception Condition' NOT EQUAL 'None') AND ('Administrative State' EQUAL 'Up'))		
Clearing condition: (('STP Exception Condition' EQUAL 'None') OR ('Administrative State' EQUAL 'Down'))		
Remedial action: Check 'STP Exception Condition' field for more details and fix the STP exception.		

Table 18-34 ClientDelegateServerStatus

Alarm	Attributes	Applicable major NE releases
Name: ClientDelegateServerStatus (731) Type: communicationsAlarm (4) Package: server Raised on class: server.ClientDelegateServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when a client delegate server is unreachable.		
Raising condition: ('Server Status' EQUAL 'Down')		
Clearing condition: ('Server Status' EQUAL 'Up')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the client delegate platform and SAM servers is unreliable or the client delegate server itself is unreliable.		

Table 18-35 ConfigurationRescueFileDeleteStatus

Alarm	Attributes	Applicable major NE releases
Name: ConfigurationRescueFileDeleteStatus (3894) Type: configurationRescueAlarm (109) Package: rollback Raised on class: rollback.RollbackNEInfo	Severity: info Implicitly cleared: false Default probable cause: configurationRescueFileDeleteOperationPerformed (1485)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when a configuration rollback rescue file delete operation is performed.		
Remedial action: Informational - If rollback rescue file deletion status indicates failed, then, the requested rescue file might not be available or check the FTP permission for the rescue location.		

Table 18-36 ConfigurationRescueFileSaveStatus

Alarm	Attributes	Applicable major NE releases
Name: ConfigurationRescueFileSaveStatus (3895) Type: configurationRescueAlarm (109) Package: rollback Raised on class: rollback.RollbackNEInfo	Severity: info Implicitly cleared: false Default probable cause: configurationRescueFileSaveOperationPerformed (1486)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when a configuration rollback rescue save operation is performed.		
Remedial action: Informational - If rollback rescue file creation status indicates failed, then, check the FTP permission for the rescue location.		

Table 18-37 ConfigurationRescueStatus

Alarm	Attributes	Applicable major NE releases
Name: ConfigurationRescueStatus (3896) Type: configurationRescueAlarm (109) Package: rollback Raised on class: rollback.RollbackNEInfo	Severity: info Implicitly cleared: false Default probable cause: configurationRescueOperationPerformed (1487)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when a configuration rollback rescue operation is performed.		
Remedial action: Informational - If rollback rescue status indicates failed, then, the rescue file might not be available or check the FTP permission for the rescue location.		

Table 18-38 ConfigurationRollBackFileDeleteStatus

Alarm	Attributes	Applicable major NE releases
Name: ConfigurationRollBackFileDeleteStatus (3897) Type: configurationRollBackAlarm (103) Package: rollback Raised on class: rollback.RollbackNEInfo	Severity: info Implicitly cleared: false Default probable cause: configurationRollBackFileDeleteOperationPerformed (1488)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when a configuration rollback file delete operation is performed.		
Remedial action: Informational - If rollback file deletion status indicates failed, then, the requested rollback file might not be available or check the FTP permission for the rollback location..		

Table 18-39 ConfigurationRollBackFileSyncStatus

Alarm	Attributes	Applicable major NE releases
Name: ConfigurationRollBackFileSyncStatus (3898) Type: configurationRollBackFileSyncAlarm (110) Package: rollback Raised on class: rollback.RollbackNEInfo	Severity: info Implicitly cleared: false Default probable cause: configurationRollBackFileSyncOperationPerformed (1489)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when a configuration rollback CPM sync operation is performed.		
Remedial action: Informational - If rollback files CPM Sync status indicates failed, then, check whether standby CPM is up.		

Table 18-40 ConfigurationRollBackSaveStatus

Alarm	Attributes	Applicable major NE releases
Name: ConfigurationRollBackSaveStatus (3899) Type: configurationRollBackAlarm (103) Package: rollback Raised on class: rollback.RollbackNEInfo	Severity: info Implicitly cleared: false Default probable cause: configurationRollBackSaveOperationPerformed (1490)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when a configuration rollback save operation is performed.		
Remedial action: Informational - If rollback file creation status indicates failed, then, check the FTP permission for the rollback location.		

Table 18-41 ConfigurationRollBackStatus (netw)

Alarm	Attributes	Applicable major NE releases
Name: ConfigurationRollBackStatus (3684) Type: configurationRollBackAlarm (103) Package: netw Raised on class: netw.NetworkElement	Severity: info Implicitly cleared: false Default probable cause: configurationRollBackOperationPerformed (1422)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when a configuration rollback operation is performed.		
Remedial action: Informational - If rollback status indicates failed, then, the requested checkpoint might not be available or NE configuration might need to be restored.		

Table 18-42 ConfigurationRollBackStatus (rollback)

Alarm	Attributes	Applicable major NE releases
Name: ConfigurationRollBackStatus (3684) Type: configurationRollBackAlarm (103) Package: rollback Raised on class: rollback.RollbackNEInfo	Severity: info Implicitly cleared: false Default probable cause: configurationRollBackOperationPerformed (1422)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when a configuration rollback operation is performed.		
Remedial action: Informational - If rollback status indicates failed, then, the requested checkpoint might not be available or NE configuration might need to be restored.		

Table 18-43 ContainingEquipmentAdministrativelyDown

Alarm	Attributes	Applicable major NE releases
Name: ContainingEquipmentAdministrativelyDown (466) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: minor Implicitly cleared: true Default probable cause: containingEquipmentAdministrativelyDown (330)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentAdministrativelyDown.		
Raising condition: (('Status' EQUAL 'Parent Admin Down') AND ('isTerminatable' EQUAL 'true'))		
Clearing condition: (('Status' NOT EQUAL 'Parent Admin Down') OR ('isTerminatable' NOT EQUAL 'true'))		
Remedial action: Informational - no corrective action required.		

Table 18-44 ContainingEquipmentMismatch

Alarm	Attributes	Applicable major NE releases
Name: ContainingEquipmentMismatch (464) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentMismatch (328)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentMismatch.		
Raising condition: (('Status' EQUAL 'Parent Type Mismatch') AND ('isTerminatable' EQUAL 'true'))		
Clearing condition: (('Status' NOT EQUAL 'Parent Type Mismatch') OR ('isTerminatable' NOT EQUAL 'true'))		
Remedial action: A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

Table 18-45 ContainingEquipmentOperationallyDown

Alarm	Attributes	Applicable major NE releases
Name: ContainingEquipmentOperationallyDown (465) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentDown (329)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentOperationallyDown.		
Raising condition: (('Status' EQUAL 'Parent Oper Down') AND ('isTerminatable' EQUAL 'true'))		
Clearing condition: (('Status' NOT EQUAL 'Parent Oper Down') OR ('isTerminatable' NOT EQUAL 'true'))		
Remedial action: The operational state of the equipment element indicated in the alarm is down. This may be due to the element's administrative state or it may indicate that the element has failed.		

Table 18-46 CorruptImageFile

Alarm	Attributes	Applicable major NE releases
Name: CorruptImageFile (171) Type: configurationAlarm (11) Package: mediation Raised on class: mediation.AbstractSoftwareFolderDescriptor	Severity: critical Implicitly cleared: true Default probable cause: invalidOrCorruptImageFile (134)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when one or more files in the 5620 SAM software image specified for a device software upgrade is invalid, corrupt or absent. The 5620 SAM validates a device software file set before it imports the file set and distributes it to an NE. Ensure that the file set downloads properly to the NE and is not tampered with before you re-attempt the upgrade. The alarm clears when a valid file set is on the NE and the 5620 SAM activates the software image in the file set.		
Raising condition: ('isImageValid' EQUAL 'false')		

(1 of 2)

18 – Alcatel-Lucent 7950 XRS alarms

Alarm	Attributes	Applicable major NE releases
Clearing condition: ('isImageValid' EQUAL 'true')		
Remedial action: The existing SW image in the SAM database should be replaced with an image that is known to be complete and valid.		

(2 of 2)

Table 18-47 CpmProtectionExceedEntry

Alarm	Attributes	Applicable major NE releases
Name: CpmProtectionExceedEntry (2925) Type: communications (87) Package: sitesec Raised on class: sitesec.CpmProtExcdEntry	Severity: warning Implicitly cleared: false Default probable cause: denialOfService (790)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when a MAC packet stream has exceeded its per-source limit.		
Raising condition: ('Number of Rate Violations' NOT EQUAL '0L')		
Remedial action: A device in the network is sending traffic to the NE at a rate which is higher than expected. The source of the traffic must be identified and if the behavior is undesired then the device should be disabled. It is also possible that the threshold has been configured at a level which is lower than acceptable in which case the configuration should be align with the traffic levels expected.		

Table 18-48 CpmProtectionExceedSapIpEntry

Alarm	Attributes	Applicable major NE releases
Name: CpmProtectionExceedSapIpEntry (3911) Type: communications (87) Package: sitesec Raised on class: sitesec.CpmProtExcdSapIpEntry	Severity: warning Implicitly cleared: false Default probable cause: denialOfService (790)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when an IP packet stream has exceeded the per-source limit.		
Raising condition: ('Number of Rate Violations' NOT EQUAL '0L')		
Remedial action: A device in the network is sending traffic to the NE at a rate which is higher than expected. The source of the traffic must be identified and if the behavior is undesired then the device should be disabled. It is also possible that the threshold has been configured at a level which is lower than acceptable in which case the configuration should be align with the traffic levels expected.		

Table 18-49 CpmProtectionViolationIfEntry

Alarm	Attributes	Applicable major NE releases
Name: CpmProtectionViolationIfEntry (2926) Type: communications (87) Package: sitesec Raised on class: sitesec.CpmProtViolIfEntry	Severity: warning Implicitly cleared: false Default probable cause: denialOfService (790)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the link-specific packet arrival rate limit at the interface is violated.		
Raising condition: ('Number of Rate Violations' NOT EQUAL '0L')		
Remedial action: A device in the network is sending traffic to the NE at a rate which is higher than expected. The source of the traffic must be identified and if the behavior is undesired then the device should be disabled. It is also possible that the threshold has been configured at a level which is lower than acceptable in which case the configuration should be align with the traffic levels expected.		

Table 18-50 CpmProtectionViolationPortEntry

Alarm	Attributes	Applicable major NE releases
Name: CpmProtectionViolationPortEntry (2927) Type: communications (87) Package: sitesec Raised on class: sitesec.CpmProtViolPortEntry	Severity: warning Implicitly cleared: false Default probable cause: denialOfService (790)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the link-specific packet arrival rate limit at the port is violated.		
Raising condition: (('Number of Per-port Violations' NOT EQUAL '0L') OR ('Number of Link-specific Violations' NOT EQUAL '0L'))		
Remedial action: A device in the network is sending traffic to the NE at a rate which is higher than expected. The source of the traffic must be identified and if the behavior is undesired then the device should be disabled. It is also possible that the threshold has been configured at a level which is lower than acceptable in which case the configuration should be align with the traffic levels expected.		

Table 18-51 CpmProtectionViolationSAPEntry

Alarm	Attributes	Applicable major NE releases
Name: CpmProtectionViolationSAPEntry (2928) Type: communications (87) Package: sitesec Raised on class: sitesec.CpmProtViolSapEntry	Severity: warning Implicitly cleared: false Default probable cause: denialOfService (790)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the link-specific packet arrival rate limit at the SAP is violated.		
Raising condition: ('Number of Rate Violations' NOT EQUAL '0L')		
Remedial action: A device in the network is sending traffic to the NE at a rate which is higher than expected. The source of the traffic must be identified and if the behavior is undesired then the device should be disabled. It is also possible that the threshold has been configured at a level which is lower than acceptable in which case the configuration should be align with the traffic levels expected.		

Table 18-52 CpmProtectionViolationSDPEntry

Alarm	Attributes	Applicable major NE releases
Name: CpmProtectionViolationSDPEntry (5415) Type: communications (87) Package: sitesec Raised on class: sitesec.CpmProtViolSdpEntry	Severity: warning Implicitly cleared: false Default probable cause: denialOfService (790)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the overall packet arrival rate limit at the SDP is violated.		
Raising condition: ('Number of Rate Violations' NOT EQUAL '0L')		
Remedial action: A device in the network is sending traffic to the NE at a rate which is higher than expected. The source of the traffic must be identified and if the behavior is undesired then the device should be disabled. It is also possible that the threshold has been configured at a level which is lower than acceptable in which case the configuration should be aligned with the traffic levels expected.		

Table 18-53 DDMAux1HighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMAux1HighAlarm (495) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: aux1HighAlarm (381)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the manufacturer-specific Auxiliary 1 of the XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux1 High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux1 High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 18-54 DDMAux1HighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMAux1HighWarning (494) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: aux1HighWarning (380)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the manufacturer-specific Auxiliary 1 of the XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux1 High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux1 High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 18-55 DDMAux1LowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMAux1LowAlarm (493) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: aux1LowAlarm (379)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the manufacturer-specific Auxiliary 1 of the XFP reaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux1 Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux1 Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 18-56 DDMAux1LowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMAux1LowWarning (492) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: aux1LowWarning (378)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the manufacturer-specific Auxiliary 1 of the XFP approaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux1 Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux1 Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 18-57 DDMAux2HighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMAux2HighAlarm (499) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: aux2HighAlarm (385)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the manufacturer-specific Auxiliary 2 of the XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux2 High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux2 High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 18-58 DDMAux2HighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMAux2HighWarning (498) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: aux2HighWarning (384)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the manufacturer-specific Auxiliary 2 of the XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux2 High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux2 High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 18-59 DDMAux2LowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMAux2LowAlarm (497) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: aux2LowAlarm (383)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the manufacturer-specific Auxiliary 2 of the XFP reaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux2 Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux2 Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 18-60 DDMAux2LowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMAux2LowWarning (496) Type: communicatiothresholdAlarmnsAlarm (50) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: aux2LowWarning (382)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the manufacturer-specific Auxiliary 2 of the XFP approaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux2 Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux2 Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 18-61 DDMRxOpticalPowerHighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMRxOpticalPowerHighAlarm (491) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: rxOpticalPowerHighAlarm (377)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the received optical power of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBitRx Optical Power High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBitRx Optical Power High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 18-62 DDMRxOpticalPowerHighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMRxOpticalPowerHighWarning (490) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: rxOpticalPowerHighWarning (376)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the received optical power of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBitRx Optical Power High Warning')		
Clearing condition: NOT (('failedThresholds'anyBitRx Optical Power High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 18-63 DDMRxOpticalPowerLowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMRxOpticalPowerLowAlarm (489) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: rxOpticalPowerLowAlarm (375)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the received optical power of an SFP or XFP reaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBitRx Optical Power Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBitRx Optical Power Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 18-64 DDMRxOpticalPowerLowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMRxOpticalPowerLowWarning (488) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: rxOpticalPowerLowWarning (374)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the received optical power of an SFP or XFP approaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBitRx Optical Power Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBitRx Optical Power Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 18-65 DDMSupplyVoltageHighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMSupplyVoltageHighAlarm (479) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: supplyVoltageHighAlarm (365)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the supply voltage of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBitSupply Voltage High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBitSupply Voltage High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 18-66 DDMSupplyVoltageHighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMSupplyVoltageHighWarning (478) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: supplyVoltageHighWarning (364)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the supply voltage of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBitSupply Voltage High Warning')		
Clearing condition: NOT (('failedThresholds'anyBitSupply Voltage High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 18-67 DDMSupplyVoltageLowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMSupplyVoltageLowAlarm (477) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: supplyVoltageLowAlarm (363)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the supply voltage of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Supply Voltage Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Supply Voltage Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 18-68 DDMSupplyVoltageLowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMSupplyVoltageLowWarning (476) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: supplyVoltageLowWarning (362)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the supply voltage of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Supply Voltage Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Supply Voltage Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 18-69 DDMTemperatureHighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTemperatureHighAlarm (475) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: temperatureHighAlarm (361)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the temperature of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Temperature High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Temperature High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 18-70 DDMTemperatureHighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTemperatureHighWarning (474) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: temperatureHighWarning (360)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the temperature of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Temperature High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Temperature High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 18-71 DDMTemperatureLowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTemperatureLowAlarm (473) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: temperatureLowAlarm (359)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the temperature of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Temperature Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Temperature Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 18-72 DDMTemperatureLowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTemperatureLowWarning (472) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: temperatureLowWarning (358)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the temperature of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Temperature Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Temperature Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 18-73 DDMTxBiasCurrentHighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTxBiasCurrentHighAlarm (483) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: txBiasCurrentHighAlarm (369)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the transmit bias current of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Bias Current High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Bias Current High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 18-74 DDMTxBiasCurrentHighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTxBiasCurrentHighWarning (482) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: txBiasCurrentHighWarning (368)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the transmit bias current of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Bias Current High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Bias Current High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 18-75 DDMTxBiasCurrentLowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTxBiasCurrentLowAlarm (481) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: txBiasCurrentLowAlarm (367)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the transmit bias current of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Bias Current Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Bias Current Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 18-76 DDMTxBiasCurrentLowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTxBiasCurrentLowWarning (480) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: txBiasCurrentLowWarning (366)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the transmit bias current of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Bias Current Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Bias Current Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 18-77 DDMTxOutputPowerHighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTxOutputPowerHighAlarm (487) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: txOutputPowerHighAlarm (373)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the output power of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Output Power High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Output Power High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 18-78 DDMTxOutputPowerHighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTxOutputPowerHighWarning (486) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: txOutputPowerHighWarning (372)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the output power of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Output Power High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Output Power High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 18-79 DDMtxOutputPowerLowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMtxOutputPowerLowAlarm (485) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: txOutputPowerLowAlarm (371)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the output power of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Output Power Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Output Power Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 18-80 DDMtxOutputPowerLowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMtxOutputPowerLowWarning (484) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: txOutputPowerLowWarning (370)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the output power of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Output Power Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Output Power Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 18-81 downgradedCardAlarm

Alarm	Attributes	Applicable major NE releases
Name: downgradedCardAlarm (256) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: downgradedCard (195)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when an IOM is not upgraded or reset after a device software upgrade of both CPMs. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
Raising condition: ('operationalState' EQUAL 'Downgrade')		
Clearing condition: ('operationalState' EQUAL 'Up')		
Remedial action: Informational - no corrective action required.		

Table 18-82 EfmOamAlarm

Alarm	Attributes	Applicable major NE releases
Name: EfmOamAlarm (4617) Type: equipmentAlarm (3) Package: ethernetEquipment Raised on class: ethernetEquipment.Dot3Oam	Severity: minor Implicitly cleared: true Default probable cause: EFMOperationalStateOutOfService (1886)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when EFM Ignore status is Enabled, and Physical port Administrative State is Down.		
Raising condition: ('Ignore EFM State' EQUAL 'true')		
Clearing condition: ('Ignore EFM State' EQUAL 'true')		
Remedial action: The alarm is raised when EFM Ignore status is Enabled, and Physical port Administrative State is Down.		

Table 18-83 EquipmentAdministrativelyDown

Alarm	Attributes	Applicable major NE releases
Name: EquipmentAdministrativelyDown (455) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: minor Implicitly cleared: true Default probable cause: equipmentAdministrativelyDown (326)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentAdministrativelyDown.		
Raising condition: ('compositeEquipmentState' EQUAL 'Admin Down')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Admin Down')		
Remedial action: Informational - no corrective action required.		

Table 18-84 EquipmentDegraded

Alarm	Attributes	Applicable major NE releases
Name: EquipmentDegraded (604) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: minor Implicitly cleared: true Default probable cause: singleFanFailure (450)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when a single fan fails. The chassis attempts to continue operating within the normal temperature range using only the remaining fans.		
Raising condition: ('Device State' EQUAL 'MinorFailure')		
Clearing condition: ('Device State' NOT EQUAL 'MinorFailure')		
Remedial action: The failed fan unit should be replaced.		

Table 18-85 EquipmentDown

Alarm	Attributes	Applicable major NE releases
Name: EquipmentDown (10) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: inoperableEquipment (8)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentOperationallyDown.		
Raising condition: ('compositeEquipmentState' EQUAL 'Oper Down')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Oper Down')		
Remedial action: This alarm indicates that a card in the NE has failed. The card must be replaced.		

Table 18-86 EquipmentFailure

Alarm	Attributes	Applicable major NE releases
Name: EquipmentFailure (145) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.ReplaceableUnit	Severity: critical Implicitly cleared: true Default probable cause: cardFailure (123)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when a control processor or power-supply tray reports a failure. When the object type is ControlProcessor, a CPM may be unable to boot. When the object type is Power Supply Tray and the alarm is raised during device discovery, a power-supply tray may be out of service. When the object type is a Power Supply Tray and the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
Raising condition: ('operationalState' EQUAL 'Failed')		
Clearing condition: ('operationalState' NOT EQUAL 'Failed')		
Remedial action: If the alarm indicates that the CPM card has a fault, remove the card and reset it. If this does not clear the alarm then please contact Alcatel-Lucent support for assistance. If the alarm indicates that the Power Supply tray is out of service ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 18-87 EquipmentInTest

Alarm	Attributes	Applicable major NE releases
Name: EquipmentInTest (11) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: warning Implicitly cleared: true Default probable cause: equipmentInTest (9)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when equipment enters a diagnostic state.		
Raising condition: ('compositeEquipmentState' EQUAL 'In Test')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'In Test')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: Informational - no corrective action required.		

(2 of 2)

Table 18-88 EquipmentMismatch

Alarm	Attributes	Applicable major NE releases
Name: EquipmentMismatch (9) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: equipmentTypeMismatch (7)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMismatch.		
Raising condition: ('compositeEquipmentState' EQUAL 'Type Mismatch')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Type Mismatch')		
Remedial action: A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

Table 18-89 EquipmentRemoved

Alarm	Attributes	Applicable major NE releases
Name: EquipmentRemoved (8) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: replaceableEquipmentRemoved (6)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMissing.		
Raising condition: (('compositeEquipmentState' EQUAL 'Removed') AND ('isEquipmentInserted' EQUAL 'true'))		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Removed')		
Remedial action: Informational - this alarm is raised when a card is removed.		

Table 18-90 EthCSF

Alarm	Attributes	Applicable major NE releases
Name: EthCSF (3721) Type: oamAlarm (18) Package: ethernetOam Raised on class: ethernetOam.Mep	Severity: variable Implicitly cleared: true Default probable cause: EthCSF (1459)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when a MEP receives a CCM frame with an interface status TLV of 'Down'.		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: This alarm is raised when a MEP receives a CCM frame with an interface status TLV of Down.		

(2 of 2)

Table 18-91 EthernetPortConfiguredLoopback

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortConfiguredLoopback (801) Type: configurationAlarm (11) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: warning Implicitly cleared: true Default probable cause: ethernetPortConfiguredLoopback (567)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when a timed loopback is in effect for an Ethernet port.		
Raising condition: (('Type' NOT EQUAL 'None'))		
Clearing condition: (('Type' EQUAL 'None'))		
Remedial action: This alarm has been raised by the node because "Timed Loopback" option of the specific port's Ethernet property has been enabled. To resolve this problem from "Ethernet" tab of "Physical Port" properties form configure "Timed Loopback" Type property as "None".		

Table 18-92 EthernetPortDuplicateLane

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortDuplicateLane (3557) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: DuplicateLane (1387)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when a device reports a Duplicate Lane on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 18-93 EthernetPortHighBer

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortHighBer (307) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when a device reports a high bit-error rate on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))		
Remedial action: One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 18-94 EthernetPortLocalFault

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortLocalFault (305) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: LocalFault (236)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when a device reports a local fault on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))		
Remedial action: One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 18-95 EthernetPortNoAmLock

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortNoAmLock (3558) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoAmLock (1388)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when a device reports a No Am Lock on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: NOT (((('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

(2 of 2)

Table 18-96 EthernetPortNoBlockLock

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortNoBlockLock (3559) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoBlockLock (1389)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when a device reports a No Block Lock on an Ethernet port.		
Raising condition: ((('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock')))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock'))))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 18-97 EthernetPortNoFrameLock

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortNoFrameLock (306) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoFrameLock (237)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when a device reports No Frame Lock on an Ethernet port.		
Raising condition: ((('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock')))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock'))))		
Remedial action: One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 18-98 EthernetPortRemoteFault

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortRemoteFault (304) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: RemoteFault (235)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when a device reports a remote fault on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault'))		
Remedial action: One of the following conditions exists on the remote physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 18-99 EthernetPortSignalFailure

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortSignalFailure (303) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: SignalFailure (234)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when a device reports a signal failure on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))		
Remedial action: One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 18-100 ExternalTimingReferenceNotQualified

Alarm	Attributes	Applicable major NE releases
Name: ExternalTimingReferenceNotQualified (548) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: timingReferenceNotQualified (418)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the External timing reference on an NE is not in the Qualified state.		
Raising condition: (('Qualified For Use' EQUAL 'Not Qualified') AND ('Administrative State' NOT EQUAL 'Down'))		
Clearing condition: (('Qualified For Use' NOT EQUAL 'Not Qualified') OR ('Administrative State' EQUAL 'Down'))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: Informational		

(2 of 2)

Table 18-101 FanFailure

Alarm	Attributes	Applicable major NE releases
Name: FanFailure (624) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: fanFailure (116)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the associated fan is not operationally Up.		
Raising condition: (('Device State' EQUAL 'Failed') OR ('Device State' EQUAL 'Unknown') OR ('Device State' EQUAL 'OutOfservice'))		
Clearing condition: ('Device State' EQUAL 'OK')		
Remedial action: Remove and reset the fan unit. If this does not resolve the problem replace the fan.		

Table 18-102 FanTrayRemoved

Alarm	Attributes	Applicable major NE releases
Name: FanTrayRemoved (569) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: FanTrayRemoved (438)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the deviceState attribute has a value of deviceNotEquipped.		
Raising condition: ('Device State' EQUAL 'Not Equipped')		
Clearing condition: ('Device State' NOT EQUAL 'Not Equipped')		
Remedial action: Informational - a fan tray has been removed from the NE.		

Table 18-103 ForwardingTableSizeLimitReached

Alarm	Attributes	Applicable major NE releases
Name: ForwardingTableSizeLimitReached (164) Type: resourceAlarm (28) Package: I2fwd Raised on class: I2fwd.SiteFib	Severity: major Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0

(1 of 2)

18 – Alcatel-Lucent 7950 XRS alarms

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when the number of MAC address entries in the FIB reaches or exceeds the VPLS site high watermark specified by I2fwd.SiteFib.highWatermark. The alarm clears when the number of MAC address entries in the FIB drops below the VPLS site low watermark specified by I2fwd.SiteFib.lowWatermark. The alarm can be raised against a VPLS site, L2 access interface, or spoke SDP binding.		
Raising condition: (('Entries' >= 'Size') OR ('Entries' >= (('High Watermark' * 'Size') / 100.0)))		
Clearing condition: (('Entries' < 'Size') AND (('High Watermark' EQUAL '0L') OR ('Entries' < (('Low Watermark' * 'Size') / 100.0))) AND (('Low Watermark' EQUAL '0L') OR ('Entries' < (('Low Watermark' * 'Size') / 100.0)))		
Remedial action: Informational		

(2 of 2)

Table 18-104 FrameSizeProblem (netw)

Alarm	Attributes	Applicable major NE releases
Name: FrameSizeProblem (37) Type: configurationAlarm (11) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: frameSizeProblem (33)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when a provisioned MTU size value is greater than the supported MTU size value.		
Raising condition: (('mtuMismatch' EQUAL 'true') AND ('portId' NOT EQUAL '0L'))		
Clearing condition: (('mtuMismatch' EQUAL 'false') OR ('portId' EQUAL '0L'))		
Remedial action: A configuration error has been made which must be corrected. The MTU value must be changed such that is less than or equal to the supported MTU size value.		

Table 18-105 FrameSizeProblem (svt)

Alarm	Attributes	Applicable major NE releases
Name: FrameSizeProblem (37) Type: configurationAlarm (11) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: frameSizeProblem (33)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when a provisioned MTU size value is greater than the supported MTU size value.		
Raising condition: (('Operational State' EQUAL 'MTU Mismatch') OR ('Operational State' EQUAL 'Tunnel MTU Too Small'))		
Clearing condition: (('Operational State' NOT EQUAL 'MTU Mismatch') AND ('Operational State' NOT EQUAL 'Tunnel MTU Too Small'))		
Remedial action: The MTU value must be changed such that is less than or equal to the supported MTU size value.		

Table 18-106 GaPeerDown

Alarm	Attributes	Applicable major NE releases
Name: GaPeerDown (3303) Type: EpcAlarm (59) Package: Iteggnsn Raised on class: Iteggnsn.GaPeer	Severity: major Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the path management state of a Ga peer changes to a state other than Up.		
Raising condition: ('Path Management State' NOT EQUAL 'Active')		
Clearing condition: ('Path Management State' EQUAL 'Active')		
Remedial action: A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

Table 18-107 IgmpDown

Alarm	Attributes	Applicable major NE releases
Name: IgmpDown (158) Type: ProtocolAlarm (1) Package: igmp Raised on class: igmp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when an IGMP site has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: While configured under VPRN, check if VPRN site is admin down, or if route distinguisher is not configured.		

Table 18-108 IgmpMaxGrpSrcsLimitExceeded

Alarm	Attributes	Applicable major NE releases
Name: IgmpMaxGrpSrcsLimitExceeded (4624) Type: configurationAlarm (11) Package: igmp Raised on class: igmp.Interface	Severity: major Implicitly cleared: false Default probable cause: IgmpMaxGrpSrcsLimitExceeded (1892)	<ul style="list-style-type: none"> • 11.0 • 12.0
Description: The alarm is raised when an attempt is made to configure an IGMP group source for a group when the number of group sources for this group is equal to 'maxGrpSources', the maximum number of group sources per group supported on the interface.		
Remedial action: Needs to increase 'maxGrpSources' value to allow more sources on this interface.		

Table 18-109 IgmpMaxSrcsLimitExceeded

Alarm	Attributes	Applicable major NE releases
Name: IgmpMaxSrcsLimitExceeded (3742) Type: configurationAlarm (11) Package: igmp Raised on class: igmp.Interface	Severity: major Implicitly cleared: false Default probable cause: IgmpMaxSrcsLimitExceeded (1477)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when an attempt is made to configure an IGMP source for a group when the number of sources for this group is equal to 'maxSources', the maximum number of sources per group supported on the interface.		
Remedial action: Needs to increase 'maxSources' value to allow more sources on this interface.		

Table 18-110 IncompleteConfig (multichassis)

Alarm	Attributes	Applicable major NE releases
Name: IncompleteConfig (294) Type: configurationAlarm (11) Package: multichassis Raised on classes: <ul style="list-style-type: none"> • multichassis.MultiChassisSync • multichassis.MultiChassisLagMember 	Severity: major Implicitly cleared: true Default probable cause: incompleteConfig (225)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when a peer configuration cannot be found on the peer NE.		
Raising condition: ('mcLagPointer' EQUAL '\')		
Clearing condition: ('mcLagPointer' NOT EQUAL '\')		
Remedial action: Configure the missing peered object.		

Table 18-111 IncompleteConfiguration

Alarm	Attributes	Applicable major NE releases
Name: IncompleteConfiguration (1942) Type: operationalViolation (93) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: incompleteConfig (225)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when a pre-provisioned NE has no objects configured beneath it.		
Raising condition: (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' EQUAL '\'))		
Clearing condition: (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' NOT EQUAL '\'))		
Remedial action: A configuration error has been made which must be corrected. The configuration of the pre-provisioned NE is incomplete. A work order was not associated with the pre-provisioned NE and as a consequence the attempt to auto-configure the NE failed.		

Table 18-112 IncorrectEndPointPeerConfig

Alarm	Attributes	Applicable major NE releases
Name: IncorrectEndPointPeerConfig (1068) Type: configurationAlarm (11) Package: multichassis Raised on class: multichassis.MultiChassisEndpoint	Severity: major Implicitly cleared: true Default probable cause: incompleteEPPeerConfig (810)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when a peer configuration cannot be found on the peer NE.		
Raising condition: ('MC EndPoint Group Pointer' EQUAL '\')		
Clearing condition: ('MC EndPoint Group Pointer' NOT EQUAL '\')		
Remedial action: The peered object cannot be found on the peer NE. Either delete this one, or create the missing peer object.		

Table 18-113 IncorrectPeerConfig

Alarm	Attributes	Applicable major NE releases
Name: IncorrectPeerConfig (779) Type: configurationAlarm (11) Package: multichassis Raised on class: multichassis.AbstractPeer	Severity: major Implicitly cleared: true Default probable cause: IncorrectPeerConfig (554)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when an MC peer does not exist, or when an MC peer exists but the peer address is not the address of a network interface on the peer.		
Raising condition: ('peerMatchFound' EQUAL 'false')		
Clearing condition: ('peerMatchFound' EQUAL 'true')		
Remedial action: The peer configuration cannot be found on the peer NE. Either delete this one, or create the missing peer object.		

Table 18-114 IncorrectPeerSynchronizationPortConfig

Alarm	Attributes	Applicable major NE releases
Name: IncorrectPeerSynchronizationPortConfig (780) Type: configurationAlarm (11) Package: multichassis Raised on class: multichassis.PeerSynchronizationPort	Severity: major Implicitly cleared: true Default probable cause: IncorrectPeerSynchronizationPortConfig (555)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the peer port does not exist, or when the peer port exists but the synchronization tags of the peers do not match.		
Raising condition: ('peerMatchFound' EQUAL 'false')		
Clearing condition: ('peerMatchFound' EQUAL 'true')		
Remedial action: Check if the peer port does not exist, or the peer port exists but the synchronization tags do not match.		

Table 18-115 IncorrectPeerSynchronizationPortEncapRangeConfig

Alarm	Attributes	Applicable major NE releases
Name: IncorrectPeerSynchronizationPortEncapRangeConfig (781) Type: configurationAlarm (11) Package: multichassis Raised on class: multichassis.PeerSynchronizationPortEncapRange	Severity: major Implicitly cleared: true Default probable cause: IncorrectPeerSynchronizationPortEncapRangeConfig (556)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the VLAN ranges on the Multi-Chassis synchronization peers do not match.		
Raising condition: ('Neighbor Match' EQUAL 'false')		
Clearing condition: ('Neighbor Match' EQUAL 'true')		
Remedial action: Update the VLAN ranges on the Multi-Chassis synchronization peers to make them matching.		

Table 18-116 InstanceDown (srrp)

Alarm	Attributes	Applicable major NE releases
Name: InstanceDown (284) Type: configurationAlarm (11) Package: srrp Raised on class: srrp.Instance	Severity: major Implicitly cleared: true Default probable cause: instanceDown (216)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the 5620 SAM detects that an SRRP instance is operationally down.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' EQUAL 'Initialize'))		
Clearing condition: (('Operational State' NOT EQUAL 'Initialize') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: Check the configuration of the instance		

Table 18-117 InstanceDown (vrrp)

Alarm	Attributes	Applicable major NE releases
Name: InstanceDown (284) Type: configurationAlarm (11) Package: vrrp Raised on class: vrrp.AbstractInstance	Severity: major Implicitly cleared: true Default probable cause: instanceDown (216)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the 5620 SAM detects that a VRRP instance is operationally down.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: Check the instance configuration		

Table 18-118 InterfaceDown (netw)

Alarm	Attributes	Applicable major NE releases
Name: InterfaceDown (36) Type: InterfaceAlarm (13) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when an interface or underlying resource fails, as indicated by an interface compositeState attribute value of failed or underlyingResourceFailed.		
Raising condition: (('compositeState' EQUAL 'Inoperable') OR ('compositeState' EQUAL 'Underlying Resource Inoperable'))		
Clearing condition: (('compositeState' NOT EQUAL 'Inoperable') AND ('compositeState' NOT EQUAL 'Underlying Resource Inoperable'))		
Remedial action: A physical port (physical interface, LAG, channel) associated with the network interface in not operation. Ensure that the interface is cabled and that there isn't a configuration error (i.e. MTU size set incorrectly) on the interface. Once the issue w		

Table 18-119 InterfaceDown (vpls)

Alarm	Attributes	Applicable major NE releases
Name: InterfaceDown (36) Type: configurationAlarm (11) Package: vpls Raised on class: vpls.L2ManagementInterface	Severity: major Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when an L2 management interface has an Operational State of Down, and the associated VPLS site has an Administrative State of Up.		
Raising condition: (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
Clearing condition: (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
Remedial action: The condition exists because the physical interface is down either because it is administratively disabled, faulty or a cabling fault has occurred. Ensure that the interface is administratively up. Check for a poor cable connection to the port or for a faulty cable/fiber. If neither appears to be the problem run diagnostics on the port to determine if it is faulty.		

Table 18-120 InterfaceDown (vprn)

Alarm	Attributes	Applicable major NE releases
Name: InterfaceDown (36) Type: configurationAlarm (11) Package: vprn Raised on class: vprn.IPMirrorInterface	Severity: major Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the 5620 SAM detects that an interface is operationally down.		
Raising condition: (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
Remedial action: A physical port (physical interface, LAG, channel) associated with the network interface in not operation. Ensure that the interface is cabled and that there isn't a configuration error (i.e. MTU size set incorrectly) on the interface. Once the issue w		

(2 of 2)

Table 18-121 InterfaceNeighborDown

Alarm	Attributes	Applicable major NE releases
Name: InterfaceNeighborDown (661) Type: NeighborDown (20) Package: ospf Raised on class: ospf.Interface	Severity: warning Implicitly cleared: true Default probable cause: NeighborDown (103)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when an interface neighbor is operationally down.		
Raising condition: (('Neighbor Count' EQUAL '0L') AND ('interfaceClass' NOT EQUAL 'System') AND ('Passive' NOT EQUAL 'true'))		
Clearing condition: (('Neighbor Count' NOT EQUAL '0L') OR ('Passive' EQUAL 'true'))		
Remedial action: This alarm is raised when the OSPF interface neighbor is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 18-122 IsisAdjacencyDown

Alarm	Attributes	Applicable major NE releases
Name: IsisAdjacencyDown (153) Type: adjacencyAlarm (31) Package: isis Raised on class: isis.Interface	Severity: minor Implicitly cleared: true Default probable cause: IsisInterfaceDown (232)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when an IS-IS interface has no adjacencies, for example, because the IS-IS protocol on the remote site is down.		
Raising condition: (('Adjacency Count' EQUAL '0L') AND ('interfaceClass' NOT EQUAL 'System') AND ('Passive' NOT EQUAL 'True'))		
Clearing condition: (('Adjacency Count' > '0L') OR ('Passive' EQUAL 'True'))		
Remedial action: Check remote site to see if corresponding IS-IS interface is configured and admin up.		

Table 18-123 IsisDown

Alarm	Attributes	Applicable major NE releases
Name: IsisDown (19) Type: ProtocolAlarm (1) Package: isis Raised on class: isis.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when an IS-IS site has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: The protocol is not working anymore, could be a problem with IP addresses, resources on the device, ...		

Table 18-124 IsisInterfaceDown

Alarm	Attributes	Applicable major NE releases
Name: IsisInterfaceDown (301) Type: ProtocolAlarm (1) Package: isis Raised on class: isis.Interface	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when an IS-IS interface has an Operational State other than Up.		
Raising condition: ('Operational State' EQUAL 'Down')		
Clearing condition: ('Operational State' NOT EQUAL 'Down')		
Remedial action: Check if underlying port is down, or associated network interface is down.		

Table 18-125 KeepAliveProblem

Alarm	Attributes	Applicable major NE releases
Name: KeepAliveProblem (100) Type: oamAlarm (18) Package: svt Raised on class: svt.Tunnel	Severity: warning Implicitly cleared: true Default probable cause: keepAliveFailed (86)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the 5620 SAM detects a keep-alive protocol status of senderIdInvalid or responderIdError.		
Raising condition: (('Keep-Alive State' NOT EQUAL 'Disabled') AND ('Keep-Alive State' NOT EQUAL 'Alive') AND ('Keep-Alive State' NOT EQUAL 'Unknown'))		
Clearing condition: (('Keep-Alive State' EQUAL 'Disabled') OR ('Keep-Alive State' EQUAL 'Alive') OR ('Keep-Alive State' EQUAL 'Unknown'))		
Remedial action: Check the configuration of this tunnel and underlying physical transport.		

Table 18-126 LabelProblem

Alarm	Attributes	Applicable major NE releases
Name: LabelProblem (98) Type: CircuitAlarm (17) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: labelProblem (84)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when an ingress or an egress label is missing.		
Raising condition: (('Operational State' EQUAL 'No Egress Label') OR ('Operational State' EQUAL 'No Ingress Label') OR ('Operational State' EQUAL 'No Labels'))		
Clearing condition: (('Operational State' NOT EQUAL 'No Egress Label') AND ('Operational State' NOT EQUAL 'No Ingress Label') AND ('Operational State' NOT EQUAL 'No Labels'))		
Remedial action: An ingress or egress label is missing for the SDP binding.		

Table 18-127 LagDown

Alarm	Attributes	Applicable major NE releases
Name: LagDown (20) Type: equipmentAlarm (3) Package: lag Raised on class: lag.Interface	Severity: critical Implicitly cleared: true Default probable cause: lagDown (17)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when all ports in a LAG are operationally down.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
Clearing condition: (('operationalState' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: This alarm indicates that all physical Ethernet links associated with a LAG are operationally down. The reasons for the links to be down may vary from link to link. The following possible causes of this alarm should be investigated. The physical port (near end or far end) may have failed - this can be remedied by replacing the interface card in question. The physical links may have been turned down administratively - re-enable the links. A cable failure or disconnect may have occurred - please ensure that the cables are properly connected to the physical port and that the cable has not been damaged.		

Table 18-128 LagPortAddFailed

Alarm	Attributes	Applicable major NE releases
Name: LagPortAddFailed (422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: warning Implicitly cleared: true Default probable cause: linkDown (315)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the Lag Port Add function Fails.		
Raising condition: (('state' EQUAL 'Link Down') AND ('LAG ID' > '0'))		
Clearing condition: (('state' NOT EQUAL 'Link Down') OR ('LAG ID' EQUAL '0'))		

(1 of 2)

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

(2 of 2)

Table 18-129 LdpDown

Alarm	Attributes	Applicable major NE releases
Name: LdpDown (22) Type: ProtocolAlarm (1) Package: Idp Raised on class: Idp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when an LDP site has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: Check operational state down reason and update accordingly.		

Table 18-130 LdpSessionNonexistent

Alarm	Attributes	Applicable major NE releases
Name: LdpSessionNonexistent (2954) Type: LdpSessionAlarm (101) Package: Idp Raised on class: Idp.Session	Severity: critical Implicitly cleared: true Default probable cause: LdpSessionDown (1149)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when an LDP session is non-existent.		
Raising condition: ('Session State' EQUAL 'Non-existent')		
Clearing condition: ('Session State' EQUAL 'Operational')		
Remedial action: Please check the LDP session path to make sure all associated protocols/interfaces/connections are OK.		

Table 18-131 LdpTargetedPeerDown

Alarm	Attributes	Applicable major NE releases
Name: LdpTargetedPeerDown (23) Type: ProtocolAlarm (1) Package: Idp Raised on class: Idp.TargetedPeer	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when an LDP targeted peer is operationally down.		

(1 of 2)

18 – Alcatel-Lucent 7950 XRS alarms

Alarm	Attributes	Applicable major NE releases
Raising condition: (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
Clearing condition: (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
Remedial action: Please check the route to LDP targeted peer to make sure all associated protocols/interfaces/connections are OK.		

(2 of 2)

Table 18-132 LicensedLimitExceeded

Alarm	Attributes	Applicable major NE releases
Name: LicensedLimitExceeded (127) Type: licensingAlarm (23) Package: security Raised on class: security.ProductLicense	Severity: critical Implicitly cleared: true Default probable cause: licensedLimitExceeded (106)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the license items in the network exceeds 100 percent of the license capacity.		
Raising condition: ('Exceeded' EQUAL 'true')		
Clearing condition: ('Exceeded' NOT EQUAL 'true')		
Remedial action: Informational - The number of SAM licenses purchased and available on the SAM server is insufficient as compared to the number of NEs/MDA/Cells under management in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

Table 18-133 LineAlarmIndicationSignal

Alarm	Attributes	Applicable major NE releases
Name: LineAlarmIndicationSignal (84) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: lineAlarmIndicationSignal (70)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when a SONET port reports an LAIS error. The alarm corresponds to the lais alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'Line Alarm Indication Signal') AND ('Report Alarms'anyBit'Line Alarm Indication Signal'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Line Alarm Indication Signal') AND ('Report Alarms'anyBit'Line Alarm Indication Signal'))))		
Remedial action: Informational only.		

Table 18-134 LineErrorCondition

Alarm	Attributes	Applicable major NE releases
Name: LineErrorCondition (94) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: lineErrorCondition (80)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when a SONET port reports a line error condition that a remote NE raises because of b1 errors received from the local NE. The alarm corresponds to the lrei alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'Line Error Condition') AND ('Report Alarms'anyBit'Line Error Condition'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Line Error Condition') AND ('Report Alarms'anyBit'Line Error Condition'))))		
Remedial action: Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 18-135 LineRemoteDefectIndication

Alarm	Attributes	Applicable major NE releases
Name: LineRemoteDefectIndication (85) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: lineRemoteDefectIndication (71)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when a SONET port reports a line remote defect indication error caused by an LOF, LOC, or LOS condition. The alarm corresponds to the lrdi alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'Line Remote Defect Indication') AND ('Report Alarms'anyBit'Line Remote Defect Indication'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Line Remote Defect Indication') AND ('Report Alarms'anyBit'Line Remote Defect Indication'))))		
Remedial action: Informational only.		

Table 18-136 LinkDown

Alarm	Attributes	Applicable major NE releases
Name: LinkDown (12) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: portLinkProblem (10)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when a port has no associated physical link or remote end point is operationally down.		
Raising condition: (('compositeEquipmentState' EQUAL 'Link Down') OR ('compositeEquipmentState' EQUAL 'Oper Down'))		

(1 of 2)

18 – Alcatel-Lucent 7950 XRS alarms

Alarm	Attributes	Applicable major NE releases
Clearing condition: (('compositeEquipmentState' NOT EQUAL 'Link Down') AND ('compositeEquipmentState' NOT EQUAL 'Oper Down'))		
Remedial action: Please make sure that port has physical link and remote end point is operationally up.		

(2 of 2)

Table 18-137 LocalRncvOperDown

Alarm	Attributes	Applicable major NE releases
Name: LocalRncvOperDown (521) Type: redundancyAlarm (52) Package: multichassis Raised on class: multichassis.MultiChassisRingNode	Severity: major Implicitly cleared: true Default probable cause: localRncvDisconnected (396)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the local RNCV Operational State of a ring node is other than Connected or NotTested, which means that the ring node is not connected to the local MC ring group. The alarm clears when the ring node enters the Connected or NotTested state.		
Raising condition: (('Local Operational State' NOT EQUAL 'Connected') AND ('Local Operational State' NOT EQUAL 'Not Tested'))		
Clearing condition: (('Local Operational State' EQUAL 'Connected') OR ('Local Operational State' EQUAL 'Not Tested'))		
Remedial action: Make sure that ring node is properly connected to MC ring group.		

Table 18-138 LossOfClock (sonetequipment)

Alarm	Attributes	Applicable major NE releases
Name: LossOfClock (83) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: lossOfClock (69)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when a SONET port reports an LOC condition, which causes the NE to set the port Operational State to Down.		
Raising condition: (('Outstanding Alarms'anyBit'Loss of Clock') AND ('Report Alarms'anyBit'Loss of Clock'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'Loss of Clock') AND ('Report Alarms'anyBit'Loss of Clock'))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected.		

Table 18-139 LowTemperatureDetected

Alarm	Attributes	Applicable major NE releases
Name: LowTemperatureDetected (1127) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOvercooled (838)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the chassis temperature falls below the minimum threshold.		
Raising condition: ('Low Temperature State' EQUAL 'Low')		
Clearing condition: ('Low Temperature State' NOT EQUAL 'Low')		
Remedial action: The NE has detected internal temperatures which are abnormally low. This may happen when the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 18-140 LowTemperatureThresholdCrossed

Alarm	Attributes	Applicable major NE releases
Name: LowTemperatureThresholdCrossed (1128) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Environment	Severity: major Implicitly cleared: true Default probable cause: equipmentOvercooled (838)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when a low-temperature threshold is crossed.		
Raising condition: ('lowTemperatureThresholdCrossed' EQUAL 'true')		
Clearing condition: ('lowTemperatureThresholdCrossed' EQUAL 'false')		
Remedial action: The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 18-141 LspDown

Alarm	Attributes	Applicable major NE releases
Name: LspDown (25) Type: pathAlarm (12) Package: mpls Raised on class: mpls.Lsp	Severity: critical Implicitly cleared: true Default probable cause: lspDown (19)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the Operational State of an LSP is Down, but the Administrative State is Up.		
Raising condition: (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
Clearing condition: (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
Remedial action: So many things can cause LSP down, check if source and destination interfaces are down, LSP path is down and the failure code, or MPLS path is down...		

Table 18-142 LspPathBypassTunnelActive

Alarm	Attributes	Applicable major NE releases
Name: LspPathBypassTunnelActive (264) Type: pathAlarm (12) Package: mpls Raised on class: mpls.LspPath	Severity: warning Implicitly cleared: true Default probable cause: LspPathReroutedToBypassTunnel (197)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when an LSP primary path is rerouted to the bypass tunnel. The alarm clears when the primary path returns to the original tunnel and the actual hop returns to the primary path.		
Raising condition: ('Bypass Tunnel Active' EQUAL 'true')		
Clearing condition: ('Bypass Tunnel Active' EQUAL 'false')		
Remedial action: There is a problem with the original path, check what is the problem and fix it if possible.		

Table 18-143 LspPathDown

Alarm	Attributes	Applicable major NE releases
Name: LspPathDown (26) Type: pathAlarm (12) Package: mpls Raised on class: mpls.LspPath	Severity: major Implicitly cleared: true Default probable cause: LspPathDown (20)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when an LSP path is operationally down.		
Raising condition: (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up') AND ('Type' EQUAL 'Standby'))		
Clearing condition: (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up') OR ('Type' EQUAL 'Secondary'))		
Remedial action: Check the failure code and update accordingly, e.g. whether MPLS/RSVP interfaces, OSPF interfaces are down.		

Table 18-144 LSRPATHDown

Alarm	Attributes	Applicable major NE releases
Name: LSRPATHDown (4898) Type: pathAlarm (12) Package: mplstp Raised on class: mplstp.TPLSRPath	Severity: critical Implicitly cleared: true Default probable cause: LSRPATHDown (1955)	<ul style="list-style-type: none"> • 12.0
Description: The alarm is raised when the TP LSR Path Administrative State is Up and the Operational State is Down. The alarm clears when the TP LSR Path Operational State changes to Up or the Administrative State changes to Down.		
Raising condition: (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up'))		
Clearing condition: (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up'))		
Remedial action: The Operational state of the TP LSR Path is down, despite the Administrative state being up. Review the configuration and make sure that the Administrative state is up, the forward and reverse labels are set and the Out-Link interface is operationally up.		

Table 18-145 macMoveRateExceeded (service)

Alarm	Attributes	Applicable major NE releases
Name: macMoveRateExceeded (3690) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: minor Implicitly cleared: true Default probable cause: MacMoveRateExceeded (1429)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site.		
Raising condition: ('State Cause'anyBit'Relearn Limit Exceeded')		
Clearing condition: NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		
Remedial action: Informational.		

Table 18-146 macMoveRateExceeded (svt)

Alarm	Attributes	Applicable major NE releases
Name: macMoveRateExceeded (3690) Type: SpokeSdpBindingAlarm (104) Package: svt Raised on class: svt.SpokeSdpBinding	Severity: minor Implicitly cleared: true Default probable cause: MacMoveRateExceeded (1429)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the SDP exceeds the Service Site's MAC Move Frequency.		
Raising condition: ('operationalFlags'anyBit'Relearn Limit Exceeded')		
Clearing condition: NOT (('operationalFlags'anyBit'Relearn Limit Exceeded'))		
Remedial action: Check Service Site MAC move frequency or underlying physical link to understand issue.		

Table 18-147 macMoveRateExceededNonBlock (service)

Alarm	Attributes	Applicable major NE releases
Name: macMoveRateExceededNonBlock (4893) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: info Implicitly cleared: true Default probable cause: MacMoveRateExceededNonBlock (1951)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site when limitMacMove(sapTIsLimitMacMove) is set to 'nonBlocking'.		
Raising condition: ('State Cause'anyBit'Relearn Limit Exceeded')		
Clearing condition: NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		
Remedial action: Informational - User can adjust the value of 'MAC Move Maximum Rate' to reduce the frequency of this alarm.		

Table 18-148 macMoveRateExceededNonBlock (svt)

Alarm	Attributes	Applicable major NE releases
Name: macMoveRateExceededNonBlock (4893) Type: SpokeSdpBindingAlarm (104) Package: svt Raised on class: svt.SpokeSdpBinding	Severity: info Implicitly cleared: true Default probable cause: MacMoveRateExceededNonBlock (1951)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the SDP exceeds the Service Site's MAC Move Frequency even when limitMacMove(sdpBindTisLimitMacMove) is set to 'nonBlocking'.		
Raising condition: ('operationalFlags'anyBit'Relearn Limit Exceeded')		
Clearing condition: NOT (('operationalFlags'anyBit'Relearn Limit Exceeded'))		
Remedial action: Informational - User can adjust the value of 'MAC Move Maximum Rate' to reduce the frequency of this alarm.		

Table 18-149 MCLagDown (lag)

Alarm	Attributes	Applicable major NE releases
Name: MCLagDown (394) Type: equipmentAlarm (3) Package: lag Raised on class: lag.MultiChassisLagSpecifics	Severity: critical Implicitly cleared: true Default probable cause: mclagDown (295)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when all ports in an MC LAG are operationally down.		
Raising condition: (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
Clearing condition: (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
Remedial action: This alarm indicates that all physical Ethernet links associated with a LAG are operationally down. The reasons for the links to be down may vary from link to link. The following possible causes of this alarm should be investigated. The physical port (near end or far end) may have failed - this can be remedied by replacing the interface card in question. The physical links may have been turned down administratively - re-enable the links. A cable failure or disconnect may have occurred - please ensure that the cables are properly connected to the physical port and that the cable has not been damaged.		

Table 18-150 MCLagDown (multichassis)

Alarm	Attributes	Applicable major NE releases
Name: MCLagDown (394) Type: equipmentAlarm (3) Package: multichassis Raised on class: multichassis.MultiChassisLagPeerSpecifics	Severity: critical Implicitly cleared: true Default probable cause: mclagDown (295)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when all ports in an MC LAG are operationally Down.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		

(1 of 2)

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

(2 of 2)

Table 18-151 MCPeerEPDown

Alarm	Attributes	Applicable major NE releases
Name: MCPeerEPDown (1069) Type: equipmentAlarm (3) Package: multichassis Raised on class: multichassis.MultiChassisEndpoint	Severity: critical Implicitly cleared: true Default probable cause: MCPeerEPDown (811)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when an MC endpoint is operationally down.		
Raising condition: (('Operational State' NOT EQUAL 'Up') AND ('Administrative State' EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: Bring up the all End Point Members.		

Table 18-152 MepAISReceivedAlarm

Alarm	Attributes	Applicable major NE releases
Name: MepAISReceivedAlarm (2945) Type: oamAlarm (18) Package: ethernetOAM Raised on class: ethernetOAM.Mep	Severity: variable Implicitly cleared: true Default probable cause: missingRemoteMep (388)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when a MEP Receives AIS test frames from one or more of its sub-layer MEPs.		
Raising condition: (('AIS Received (AisRx)' EQUAL 'true') AND ('Facility VLAN ID' EQUAL '0'))		
Clearing condition: ('AIS Received (AisRx)' EQUAL 'false')		
Remedial action: This alarm indicates that it has received a MEP fault from a sub-layer MEP, user should investigate the fault cause on the sub-layer MEP and resolve this root cause issue.		

Table 18-153 MissingLocalEntry

Alarm	Attributes	Applicable major NE releases
Name: MissingLocalEntry (291) Type: configurationAlarm (11) Package: l2fwd Raised on class: l2fwd.ServiceMacProtection	Severity: minor Implicitly cleared: true Default probable cause: Protected_Mac_Address_Not_Global (222)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when a protected MAC address is not configured on all sites of a VPLS. This can occur if the protected MAC address is added or removed using a CLI.		
Raising condition: ('isEntryGlobal' EQUAL 'false')		
Clearing condition: ('isEntryGlobal' EQUAL 'true')		
Remedial action: Configure the 'Protected MAC Address' on all the VPLS sites.		

Table 18-154 MldDown

Alarm	Attributes	Applicable major NE releases
Name: MldDown (587) Type: ProtocolAlarm (1) Package: mld Raised on class: mld.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when an MLD site has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: Check the base router and system are configured correctly.		

Table 18-155 MobileConnectorDown

Alarm	Attributes	Applicable major NE releases
Name: MobileConnectorDown (1064) Type: EpcAlarm (59) Package: lteservice Raised on class: lteservice.MobileServiceConnector	Severity: minor Implicitly cleared: true Default probable cause: EpcDown (519)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the 5620 SAM no longer manages the EPS path instance of this mobile service site. As a result, the service must be regenerated.		
Raising condition: ('EPS Path' EQUAL "\")		
Clearing condition: ('EPS Path' NOT EQUAL "\")		
Remedial action: The underlying transport network has gone down resulting in the deletion of a mobile service connector (EPS path). Correct the issue with the transport network and regenerate the mobile service connector by clicking on the re-calculate button on the mobile service properties form.		

Table 18-156 MplsDown

Alarm	Attributes	Applicable major NE releases
Name: MplsDown (27) Type: ProtocolAlarm (1) Package: mpls Raised on class: mpls.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when an MPLS site has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: Check operational down reason and update accordingly.		

Table 18-157 MplsPathUpdateFailed

Alarm	Attributes	Applicable major NE releases
Name: MplsPathUpdateFailed (1066) Type: pathAlarm (12) Package: mpls Raised on class: mpls.LspPath	Severity: major Implicitly cleared: true Default probable cause: mbbRetryExceeded (804) Applicable probable causes: <ul style="list-style-type: none"> • mbbRetryExceeded • lspPathGoingDown • startingHighPriMbb • restartingMbb • highPriMbbInProg 	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when an MPLS path update fails because of an MBB problem. The alarm clears when the MBB status changes to Successful.		
Raising condition: (('mbbStatus' NOT EQUAL 'None') AND ('mbbStatus' NOT EQUAL 'Successful'))		
Clearing condition: (('Last Performed State' EQUAL 'Success') OR ('Administrative' EQUAL 'Down') OR (('Operational' EQUAL 'Up') AND ('Last Performed State' EQUAL 'None')))		
Remedial action: Based on the probable cause, change the parameters and update the path again.		

Table 18-158 MrpAttrTblSizeLimitReached

Alarm	Attributes	Applicable major NE releases
Name: MrpAttrTblSizeLimitReached (574) Type: resourceAlarm (28) Package: l2fwd Raised on class: l2fwd.SiteMrp	Severity: major Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the number of MRP attribute table entries for a service site exceeds the high watermark specified by l2fwd.SiteMrp.mrpAttrTblHighWatermark. The alarm clears when the number of MRP attribute table entries for the site drops below the low watermark specified by l2fwd.SiteMrp.mrpAttrTblLowWatermark.		

(1 of 2)

18 – Alcatel-Lucent 7950 XRS alarms

Alarm	Attributes	Applicable major NE releases
Raising condition: (('MRP Attribute Count' >= 'MRP Max Attributes') OR ('MRP Attribute Count' >= (('MRP Attribute-Table-High-Watermark' * 'MRP Max Attributes') / 100.0)))"		
Clearing condition: (('MRP Attribute Count' < 'MRP Max Attributes') AND (('MRP Attribute-Table-High-Watermark' EQUAL '0') OR ('MRP Attribute Count' < (('MRP Attribute-Table-Low-Watermark' * 'MRP Max Attributes') / 100.0))) AND (('MRP Attribute-Table-Low-Watermark' EQUAL '0') OR ('MRP Attribute Count' < (('MRP Attribute-Table-Low-Watermark' * 'MRP Max Attributes') / 100.0))))"		
Remedial action: Informational		

(2 of 2)

Table 18-159 MsdpDown

Alarm	Attributes	Applicable major NE releases
Name: MsdpDown (353) Type: ProtocolAlarm (1) Package: msdp Raised on class: msdp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when an MSDP site is administratively down. The alarm clears when the site is administratively up.		
Raising condition: (('Administrative State' EQUAL 'Down'))		
Clearing condition: (('Administrative State' NOT EQUAL 'Down'))		
Remedial action: Turn up the MSDP site.		

Table 18-160 MsPwFecRetryExpired

Alarm	Attributes	Applicable major NE releases
Name: MsPwFecRetryExpired (3694) Type: serviceAlarm (16) Package: svt Raised on class: svt.SpokeSdpFec	Severity: minor Implicitly cleared: true Default probable cause: msPwFecRetryExpired (1433)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when a trap is received because of retry expired. The alarm is cleared when the retry starts again.		
Raising condition: ('Retry Expired' EQUAL 'true')		
Clearing condition: ('Retry Expired' EQUAL 'false')		
Remedial action: May need to shutdown the multi-segment pseudo-wire provider edge to restart the retries.		

Table 18-161 MultiChassisRingDown

Alarm	Attributes	Applicable major NE releases
Name: MultiChassisRingDown (520) Type: redundancyAlarm (52) Package: multichassis Raised on class: multichassis.MultiChassisRing	Severity: major Implicitly cleared: true Default probable cause: ringDown (395)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when a MC ring group Operational State is not in the Connected state. The alarm is cleared when the ring group enters the Connected state.		
Raising condition: ('Operational State' NOT EQUAL 'Connected')		
Clearing condition: ('Operational State' EQUAL 'Connected')		
Remedial action: Check if MC ring is admin down, MC Sync is operational up, In-Band Control Connection is up, ring node is up ...		

Table 18-162 MvrConfiguredFromVplsNotExist

Alarm	Attributes	Applicable major NE releases
Name: MvrConfiguredFromVplsNotExist (219) Type: configurationAlarm (11) Package: vpls Raised on classes: <ul style="list-style-type: none"> • vpls.L2AccessInterfaceMldMvrCfg • vpls.L2AccessInterfaceMvrCfg 	Severity: warning Implicitly cleared: true Default probable cause: MvrConfiguredFromVplsNotExist (164)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when an MVR source is an MVR VPLS that does not exist. The alarm clears when the MVR VPLS is created.		
Raising condition: ('fromVplsExists' EQUAL 'false')		
Clearing condition: (('fromVplsExists' EQUAL 'true') OR ('fromVplsId' EQUAL '0L'))		
Remedial action: Create the missing MVR VPLS.		

Table 18-163 MvrConfiguredProxySapNotExist

Alarm	Attributes	Applicable major NE releases
Name: MvrConfiguredProxySapNotExist (220) Type: configurationAlarm (11) Package: vpls Raised on classes: <ul style="list-style-type: none"> • vpls.L2AccessInterfaceMldMvrCfg • vpls.L2AccessInterfaceMvrCfg 	Severity: warning Implicitly cleared: true Default probable cause: MvrConfiguredProxySapNotExist (165)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when a configured MVR proxy SAP does not exist. The alarm clears when the proxy SAP is created.		
Raising condition: ('proxySapExists' EQUAL 'false')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: ('proxySapExists' EQUAL 'true')		
Remedial action: Create the missing proxy SAP.		

(2 of 2)

Table 18-164 MvrSiteDown

Alarm	Attributes	Applicable major NE releases
Name: MvrSiteDown (162) Type: ProtocolAlarm (1) Package: layer2 Raised on class: layer2.MvrSite	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when MVR is disabled on an NE and a TLS VLAN or MVR VLAN service is provisioned on the NE.		
Raising condition: ('MVR Admin Status' EQUAL 'Disabled')		
Clearing condition: ('MVR Admin Status' EQUAL 'Enabled')		
Remedial action: To clear the alarm, enable MVR Admin Status under the Bridge Instance.		

Table 18-165 NeighborDown

Alarm	Attributes	Applicable major NE releases
Name: NeighborDown (121) Type: NeighborDown (20) Package: ospf Raised on class: ospf.AbstractNeighbor	Severity: major Implicitly cleared: true Default probable cause: NeighborDown (103)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when an OSPF interface neighbor is operationally Down.		
Raising condition: ('Operational State' NOT EQUAL 'full')		
Clearing condition: ('Operational State' EQUAL 'full')		
Remedial action: This alarm is raised when the OSPF interface neighbor is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 18-166 NeManagementAndTrapManagementMismatch

Alarm	Attributes	Applicable major NE releases
Name: NeManagementAndTrapManagementMismatch (1079) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: neManagementChange (817)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: This user-defined alarm is raised when the NE configuration is one of the following: - The Active Management IP is set to Out Of Band, and the Primary Route Preference is set to In Band. - The Active Management IP is set to In Band, and the Primary Route Preference is set to Out of Band.		
Raising condition: (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only')) AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only')) AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'Out Of Band'))))		
Clearing condition: (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only')) AND ('Primary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only')) AND ('Primary Route Preference' EQUAL 'Out Of Band'))))		
Remedial action: A configuration error has been made which must be corrected. The parameters described in the description for this alarm must match.		

Table 18-167 NewSsh2ServerKeyDetected

Alarm	Attributes	Applicable major NE releases
Name: NewSsh2ServerKeyDetected (285) Type: communicationsAlarm (4) Package: security Raised on class: security.KnownHostKey	Severity: warning Implicitly cleared: true Default probable cause: ssh2ServerKeyMismatch (217)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when a 5620 SAM main server detects a new public SSH key.		
Raising condition: ('SSH2 Server Key Status' EQUAL 'Mismatch SSH2 Host Key')		
Clearing condition: ('SSH2 Server Key Status' EQUAL 'Active SSH2 Host Key')		
Remedial action: Informational - possible security breach. The SSH key of the router is different from the one known to the SAM server.		

Table 18-168 NodeDatabaseFallbackDetected

Alarm	Attributes	Applicable major NE releases
Name: NodeDatabaseFallbackDetected (2923) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseFallback (1121)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when a configuration fallback is detected on the node and comes back up with a previous configuration. To correct this situation it might be necessary to reconfigure the node, or perform full resync its database with the 'fallback' configuration returned by the node.		
Raising condition: ('State' EQUAL 'Node Configuration Fallback')		
Clearing condition: ('State' EQUAL 'Managed')		
Remedial action: the NE has come back to a previous configuration. Perform a manual Full Resync or a Reconfigure of the NE		

Table 18-169 NodeDatabaseMisalignmentDetected

Alarm	Attributes	Applicable major NE releases
Name: NodeDatabaseMisalignmentDetected (2924) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseMisalignment (1122)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when a configuration misalignment has been detected on the node and comes back up with an unexpected configuration (configuration change triggered by external tool) To correct this situation it might be necessary to reconfigure the node with the 5620 SAM's old configuration or accept the new configuration received from the node.		
Raising condition: ('State' EQUAL 'Node Configuration Misalignment')		
Clearing condition: ('State' EQUAL 'Managed')		
Remedial action: the NE configuration is misaligned. Perform a resync in order to update SAM configuration according to the NE.		

Table 18-170 NodeRebooted

Alarm	Attributes	Applicable major NE releases
Name: NodeRebooted (32) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: false Default probable cause: nodeReboot (25)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the 5620 SAM detects an NE reboot based on the latest NE sysUpTime value.		
Remedial action: Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 18-171 NodeSuspended

Alarm	Attributes	Applicable major NE releases
Name: NodeSuspended (5123) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: NodeSuspend (2057)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the 5620 SAM detects an NE moved to suspend state as per user request.		
Raising condition: ('SNMP Reachability' EQUAL 'Suspended')		
Clearing condition: ('SNMP Reachability' NOT EQUAL 'Suspended')		
Remedial action: This alarm is raised when user suspends the network element. The alarm will be cleared when the network element is managed back.		

Table 18-172 NoPeerMcRingFound

Alarm	Attributes	Applicable major NE releases
Name: NoPeerMcRingFound (782) Type: configurationAlarm (11) Package: multichassis Raised on class: multichassis.MultiChassisRing	Severity: major Implicitly cleared: true Default probable cause: IncompleteConfig (557)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the 5620 SAM cannot find the peer MC ring.		
Raising condition: ('Peer Multi-Chassis Ring' EQUAL '\')		
Clearing condition: ('Peer Multi-Chassis Ring' NOT EQUAL '\')		
Remedial action: Configure the missing peered MC ring, or delete this one if it is not used.		

Table 18-173 NTPOperDown

Alarm	Attributes	Applicable major NE releases
Name: NTPOperDown (4879) Type: communicationsAlarm (4) Package: ntp Raised on class: ntp.NTP	Severity: info Implicitly cleared: true Default probable cause: NTPOperDown (1943)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is generated when the NTP Operational State is down for NTP.		
Raising condition: (('Operational State' EQUAL 'Down') AND ('NTP State' EQUAL 'Enabled'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('NTP State' EQUAL 'Disabled'))		
Remedial action: Please check if NTP is administratively enabled (Admin State in NTP General Tab). If admin state down, enable it to make NTP operationally up.		

Table 18-174 OFFlowEntryDeploymentCreateFailed

Alarm	Attributes	Applicable major NE releases
Name: OFFlowEntryDeploymentCreateFailed (5405) Type: processingErrorAlarm (81) Package: openflow Raised on class: openflow.OFAbstractFlowEntry	Severity: major Implicitly cleared: true Default probable cause: OFFlowEntryDeploymentCreateFailed (2113)	<ul style="list-style-type: none"> 12.0
Description: The notification alarm is raised when the flow entry deployment create has failed.		
Raising condition: (('Deployment Status' EQUAL 'Creation Failed'))		
Clearing condition: (('Deployment Status' NOT EQUAL 'Creation Failed'))		
Remedial action: This alarm is raised when the OpenFlow switch rejects creation of the flow.		

Table 18-175 OFFlowEntryDeploymentDeleteFailed

Alarm	Attributes	Applicable major NE releases
Name: OFFlowEntryDeploymentDeleteFailed (5406) Type: processingErrorAlarm (81) Package: openflow Raised on class: openflow.OFAbstractFlowEntry	Severity: major Implicitly cleared: true Default probable cause: OFFlowEntryDeploymentDeleteFailed (2114)	<ul style="list-style-type: none"> 12.0
Description: The notification alarm is raised when the flow entry deployment create has failed.		
Raising condition: (('Deployment Status' EQUAL 'Deletion Failed'))		
Clearing condition: (('Deployment Status' NOT EQUAL 'Deletion Failed'))		
Remedial action: This alarm is raised when the OpenFlow switch rejects deletion of the flow.		

Table 18-176 OFLogicalPortStatusMplsTpNotSet

Alarm	Attributes	Applicable major NE releases
Name: OFLogicalPortStatusMplsTpNotSet (5407) Type: equipmentAlarm (3) Package: openflow Raised on class: openflow.OFSwitch	Severity: major Implicitly cleared: true Default probable cause: OFLogicalPortStatusMplsTpNotSet (2115)	<ul style="list-style-type: none"> 12.0
Description: The alarm is raised when the MPLS-TP flag is not set in the Logical Port Status.		
Raising condition: (('Logical Port Status' EQUAL '0L') OR ('Logical Port Status' EQUAL 'rsvp-te'))		
Clearing condition: (('Logical Port Status' NOT EQUAL '0L') AND ('Logical Port Status' NOT EQUAL 'rsvp-te'))		
Remedial action: When MPLS-TP is not set, OpenFlow port status will not be received by SAM.		

Table 18-177 OFLogicalPortStatusRsvpTeNotSet

Alarm	Attributes	Applicable major NE releases
Name: OFLogicalPortStatusRsvpTeNotSet (5408) Type: equipmentAlarm (3) Package: openflow Raised on class: openflow.OFSwitch	Severity: major Implicitly cleared: true Default probable cause: OFLogicalPortStatusRsvpTeNotSet (2116)	<ul style="list-style-type: none"> 12.0
Description: The alarm is raised when the RSVP-TE flag is not set in the Logical Port Status.		
Raising condition: (('Logical Port Status' EQUAL '0L') OR ('Logical Port Status' EQUAL 'mpls-tp'))		
Clearing condition: (('Logical Port Status' NOT EQUAL '0L') AND ('Logical Port Status' NOT EQUAL 'mpls-tp'))		
Remedial action: When RSVP-TE is not set, OpenFlow port status will not be received by SAM.		

Table 18-178 OFSwitchDown

Alarm	Attributes	Applicable major NE releases
Name: OFSwitchDown (5409) Type: equipmentAlarm (3) Package: openflow Raised on class: openflow.OFSwitch	Severity: major Implicitly cleared: true Default probable cause: OFSwitchDown (2117)	<ul style="list-style-type: none"> 12.0
Description: The alarm is raised when the Operational State of an OFSwitch is Down and the Administrative State is Up.		
Raising condition: (('Operational State' NOT EQUAL 'Up') AND ('Administrative State' EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: This alarm is raised when the OpenFlow switch has gone down.		

Table 18-179 OrphanNodeDetected

Alarm	Attributes	Applicable major NE releases
Name: OrphanNodeDetected (4866) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.AdvertisedNode	Severity: major Implicitly cleared: true Default probable cause: nodeNotMangedByAnyEms (1934)	<ul style="list-style-type: none"> 10.0 11.0 11.0.R4 12.0
Description: The alarm is raised when node is node managed by any EMS after n retries(threshold crossed) it is manually cleared by the operator or when the node is discovered.		
Raising condition: ('state' EQUAL 'orphan')		
Remedial action: The NE is not managed by any SAM.Add an discory rule in order to managed it.		

Table 18-180 OspfInterfaceDown

Alarm	Attributes	Applicable major NE releases
Name: OspfInterfaceDown (141) Type: OspfInterfaceDown (24) Package: ospf Raised on class: ospf.Interface	Severity: warning Implicitly cleared: true Default probable cause: OspfInterfaceDown (112)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when an OSPF interface is operationally down.		
Raising condition: ('operationalState' EQUAL 'Down')		
Clearing condition: ('operationalState' NOT EQUAL 'Down')		
Remedial action: This alarm is raised when the OSPF interface is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 18-181 OverTemperatureDetected

Alarm	Attributes	Applicable major NE releases
Name: OverTemperatureDetected (388) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the chassis temperature exceeds the maximum threshold value.		
Raising condition: ('Over Temperature State' EQUAL 'Over')		
Clearing condition: ('Over Temperature State' NOT EQUAL 'Over')		
Remedial action: The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 18-182 P2MPLSPDown

Alarm	Attributes	Applicable major NE releases
Name: P2MPLSPDown (4378) Type: pathAlarm (12) Package: mpls Raised on class: mpls.P2MPDynamicLsp	Severity: critical Implicitly cleared: true Default probable cause: P2MPLSPDown (1563)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the P2MP LSP Administrative State is Up and the Operational State is Down. The alarm clears when the P2MP LSP Operational State changes to Up or the Administrative State changes to Down.		
Raising condition: (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up'))		
Clearing condition: (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up'))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: The operational state of the P2MP LSP is down, despite the administrative state being up. Review the P2MP Primary Instance or S2LPath to make sure it was configured correctly and Administrative state is up. The physical port near end or far end may have failed - this can be remedied by replacing the interface card in question. The physical links may have been turned down administratively - re-enable the links. A cable failure or disconnect may have occurred - please ensure that the cables are properly connected to the physical port and and that the cable has not been damaged.		

(2 of 2)

Table 18-183 PartialResyncProblem

Alarm	Attributes	Applicable major NE releases
Name: PartialResyncProblem (4401) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: partialResyncProblem (1578)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when an Partial Resync on an NE fails. For example, when resyncing only some MIB entries as opposed to a full resync. The periodic reachability test (sysUpTime) is not considered a partial resync, neither is a full resync. However, a PartialResyncProblem alarm can only be reset by a FullResync.		
Raising condition: ('partialResyncStatus' EQUAL 'Partial Resync Failed')		
Clearing condition: ('partialResyncStatus' EQUAL 'Partial Resync Done')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE.		

Table 18-184 PeerConnectionDown (bgp)

Alarm	Attributes	Applicable major NE releases
Name: PeerConnectionDown (2) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.Peer	Severity: critical Implicitly cleared: true Default probable cause: connectionDown (2)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when a BGP peer has a Connection State other than Established, and the Administrative State of the BGP peer is Up.		
Raising condition: (('Connection State' NOT EQUAL 'Established') AND ('Administrative State' EQUAL 'Up'))		
Clearing condition: (('Connection State' EQUAL 'Established') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: A mismatch in configuration may have occurred. Check the configuration of both peers to rule out a mismatched configuration.		

Table 18-185 PeerConnectionDown (msdp)

Alarm	Attributes	Applicable major NE releases
Name: PeerConnectionDown (2) Type: ProtocolAlarm (1) Package: msdp Raised on class: msdp.CommonPeer	Severity: critical Implicitly cleared: true Default probable cause: connectionDown (2)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the connectionState of this peer changes from Established to a state other than Established. The alarm clears when the connectionState of this peer returns to the Established state.		
Raising condition: (('connectionState' NOT EQUAL 'Established') AND ('administrativeState' EQUAL 'Up'))		
Clearing condition: (('connectionState' EQUAL 'Established') OR ('administrativeState' NOT EQUAL 'Up'))		
Remedial action: Check the configurations of the peer routers.		

Table 18-186 PeerDown (bgp)

Alarm	Attributes	Applicable major NE releases
Name: PeerDown (1) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.Peer	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when a BGP peer has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: The BGP peer entity is down - administratively disable the BGP peer and re-enable it. If toggling the administrative state does not solve the problem check that the physical interface and network connection to the far end peer are up and operational. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 18-187 PeerDown (msdp)

Alarm	Attributes	Applicable major NE releases
Name: PeerDown (1) Type: ProtocolAlarm (1) Package: msdp Raised on class: msdp.CommonPeer	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the Administrative State of a peer changes from Up to Down. The alarm clears when the Administrative State returns to Up.		
Raising condition: (('administrativeState' EQUAL 'Down'))		
Clearing condition: (('administrativeState' NOT EQUAL 'Down'))		
Remedial action: Turn up the Peer.		

Table 18-188 PeerGroupDown (bgp)

Alarm	Attributes	Applicable major NE releases
Name: PeerGroupDown (5) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.PeerGroup	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when a BGP peer group has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: The BGP peer group is down - administratively disable the BGP peer group and re-enable it. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 18-189 PeerGroupDown (msdp)

Alarm	Attributes	Applicable major NE releases
Name: PeerGroupDown (5) Type: ProtocolAlarm (1) Package: msdp Raised on class: msdp.PeerGroup	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the Administrative State of a peer group changes from Up to Down. The alarm clears when the Administrative State returns to Up.		
Raising condition: (('Administrative State' EQUAL 'Down'))		
Clearing condition: (('Administrative State' NOT EQUAL 'Down'))		
Remedial action: Turn up the Group.		

Table 18-190 PeerLacIngressEgressFault

Alarm	Attributes	Applicable major NE releases
Name: PeerLacIngressEgressFault (2929) Type: PeerLacAlarm (98) Package: svt Raised on class: svt.SpokeSdpBinding	Severity: minor Implicitly cleared: true Default probable cause: peerPWStatusBitsChanged (1123)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the Peer Status is Peer LAC Rx Fault and Peer LAC Tx Fault		
Raising condition: (('Peer State Cause'anyBit'Peer LAC Tx Fault') AND ('Peer State Cause'anyBit'Peer LAC Rx Fault'))		
Clearing condition: NOT (((('Peer State Cause'anyBit'Peer LAC Tx Fault') AND ('Peer State Cause'anyBit'Peer LAC Rx Fault'))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 18-191 PersistentIndexParametersMisconfigured

Alarm	Attributes	Applicable major NE releases
Name: PersistentIndexParametersMisconfigured (173) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: persistentIndexConfigurationMismatch (136)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when persistence is set to Off in the NE BOF.		
Raising condition: (('Persistent SNMP Indices' EQUAL 'False') OR (('hasRedundantProcessorCards' EQUAL 'true') AND ('Redundant Synchronization Mode' EQUAL 'None')))		
Clearing condition: (('Persistent SNMP Indices' EQUAL 'True') AND (('hasRedundantProcessorCards' EQUAL 'false') OR ('Redundant Synchronization Mode' NOT EQUAL 'None')))		
Remedial action: A configuration error has occurred that must be corrected. Use the CLI on the NE to enable persistency in the BOF. The discovery process will complete on the next discovery scan. A re-scan can be triggered immediately for the NE from within the discovery manager		

Table 18-192 PimDown

Alarm	Attributes	Applicable major NE releases
Name: PimDown (184) Type: ProtocolAlarm (1) Package: pim Raised on class: pim.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when a PIM site is administratively Up but operationally Down. The alarm is cleared when the PIM site becomes operationally Up but administratively Down.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: This should never happen. Contact Alcatel-Lucent Customer Support for assistance.		

Table 18-193 PollerProblem

Alarm	Attributes	Applicable major NE releases
Name: PollerProblem (31) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: resyncFailed (24)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
Raising condition: ('Resync Status' EQUAL 'Full Resync Failed')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: ('Resync Status' EQUAL 'Full Resync Done')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

(2 of 2)

Table 18-194 PowerCapacityExceeded

Alarm	Attributes	Applicable major NE releases
Name: PowerCapacityExceeded (5146) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerManagementZone	Severity: major Implicitly cleared: true Default probable cause: powerCapacityExceeded (2068)	<ul style="list-style-type: none"> 11.0.R4
Description: The PowerCapacityExceeded alarm is generated when a device needs power to boot, but there is not enough power capacity to support the device.		
Remedial action: To recover from this event, the customer is requested to add a new power supply to the system, or change a faulty power supply with a working one.		

Table 18-195 PowerLostCapacity

Alarm	Attributes	Applicable major NE releases
Name: PowerLostCapacity (5147) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerManagementZone	Severity: major Implicitly cleared: true Default probable cause: powerLostCapacity (2069)	<ul style="list-style-type: none"> 11.0.R4
Description: The PowerLostCapacity alarm is generated when a power supply fails or is removed which puts the system in an overloaded situation.		
Remedial action: To recover from this event, the customer is requested to add a new power supply to the system, or change a faulty power supply with a working one.		

Table 18-196 PowerOverloadState

Alarm	Attributes	Applicable major NE releases
Name: PowerOverloadState (5148) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerManagementZone	Severity: critical Implicitly cleared: true Default probable cause: powerOverloadState (2070)	<ul style="list-style-type: none"> 11.0.R4
Description: The PowerOverloadState alarm is generated when the overloaded power capacity can not support the power requirements and there are no further devices that can be powered off.		

(1 of 2)

18 – Alcatel-Lucent 7950 XRS alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: To recover from this state, the customer is requested to add power capacity, or to manually shutdown devices until the power capacity meets the power needs.		

(2 of 2)

Table 18-197 PowerSafetyAlertThreshold

Alarm	Attributes	Applicable major NE releases
Name: PowerSafetyAlertThreshold (5149) Type: thresholdCrossed (6) Package: equipment Raised on class: equipment.PowerManagementZone	Severity: warning Implicitly cleared: true Default probable cause: powerSafetyAlertThresholdCrossed (2071)	<ul style="list-style-type: none"> 11.0.R4
Description: The PowerSafetyAlertThreshold notification is generated when the system power capacity drops below the configured safety alert threshold.		
Remedial action: Decrease the safety alert threshold or reduce the power utilization below safety alert threshold.		

Table 18-198 PowerSafetyLevelThreshold

Alarm	Attributes	Applicable major NE releases
Name: PowerSafetyLevelThreshold (5150) Type: thresholdCrossed (6) Package: equipment Raised on class: equipment.PowerManagementZone	Severity: warning Implicitly cleared: true Default probable cause: powerSafetyLevelThresholdCrossed (2072)	<ul style="list-style-type: none"> 11.0.R4
Description: The PowerSafetyLevelThreshold notification is generated when the peak nodal power consumption exceeds the configured safety level threshold.		
Remedial action: Increase the safety level threshold or reduce the power utilization below safety level threshold.		

Table 18-199 PowerSupplyFailure

Alarm	Attributes	Applicable major NE releases
Name: PowerSupplyFailure (633) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: critical Implicitly cleared: true Default probable cause: powerSupplyFailure (117)	<ul style="list-style-type: none"> 10.0 11.0 11.0.R4 12.0
Description: The alarm is raised when a power-supply tray reports a failure. When the alarm is raised during device discovery, a power-supply tray may be out of service. When the alarm is raised while the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
Raising condition: (('Power Supply 1 Status' EQUAL 'Not Equipped') OR ('Power Supply 1 Status' EQUAL 'Failed'))		
Clearing condition: (('Power Supply 1 Status' EQUAL 'OK'))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: Ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

(2 of 2)

Table 18-200 PowerSupplyInputFeedDown

Alarm	Attributes	Applicable major NE releases
Name: PowerSupplyInputFeedDown (5422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: minor Implicitly cleared: true Default probable cause: powerSupplyInputFeedDown (2073)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: This alarm is generated if any one of the input feeds for a given power supply is not supplying power.		
Raising condition: (('Input Feed Status' EQUAL 'Input A Down') OR ('Input Feed Status' EQUAL 'Input B Down') OR (('Input Feed Status'allBits'Input A Down') AND ('Input Feed Status'allBits'Input B Down'))		
Clearing condition: ('Input Feed Status' EQUAL 'None')		
Remedial action: Restore all of the input feeds that are not supplying power.		

Table 18-201 PowerSupplyInputFeedDownAlarm

Alarm	Attributes	Applicable major NE releases
Name: PowerSupplyInputFeedDownAlarm (5154) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupply	Severity: minor Implicitly cleared: true Default probable cause: powerSupplyInputFeedDown (2073)	<ul style="list-style-type: none"> • 11.0.R4
Description: This alarm is generated if any one of the input feeds for a given power supply is not supplying power.		
Remedial action: Restore all of the input feeds that are not supplying power		

Table 18-202 PowerSupplyRemoved

Alarm	Attributes	Applicable major NE releases
Name: PowerSupplyRemoved (542) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: major Implicitly cleared: true Default probable cause: PowerSupplyRemoved (415)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when a chassis power supply is removed.		
Raising condition: ('Power Supply 1 Status' EQUAL 'Not Equipped')		

(1 of 2)

18 – Alcatel-Lucent 7950 XRS alarms

Alarm	Attributes	Applicable major NE releases
Clearing condition: ('Power Supply 1 Status' NOT EQUAL 'Not Equipped')		
Remedial action: To recover from this event, the customer is requested to add a new power supply to the system, or change a faulty power supply with a working one.		

(2 of 2)

Table 18-203 PrimaryImageBootFailure

Alarm	Attributes	Applicable major NE releases
Name: PrimaryImageBootFailure (191) Type: configurationAlarm (11) Package: sw Raised on class: sw.CardSoftware	Severity: warning Implicitly cleared: true Default probable cause: bootOptionFileMisconfigured (150)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the primary software image specified in an NE BOF is unusable.		
Raising condition: (('imageSource' NOT EQUAL 'Primary') AND ('imageSource' NOT EQUAL 'Unknown'))		
Clearing condition: (('imageSource' EQUAL 'Primary') OR ('imageSource' EQUAL 'Unknown'))		
Remedial action: The SW image on the NE may have been inadvertently corrupted. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

Table 18-204 PrimaryPathLimitReached

Alarm	Attributes	Applicable major NE releases
Name: PrimaryPathLimitReached (457) Type: resourceAlarm (28) Package: equipment Raised on class: equipment.DaughterCard	Severity: warning Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the Ingress Multicast Path Management primary path bandwidth limit is reached.		
Raising condition: (('Primary Path Limit Override' > '0') AND ('Primary Path In use' >= (1000 * 'Primary Path Limit Override'))"		
Clearing condition: (('Primary Path Limit Override' > '0') AND ('Primary Path In use' < (1000 * 'Primary Path Limit Override'))"		
Remedial action: Informational - The alarm is raised when the Ingress Multicast Path Management primary path bandwidth limit is reached. This can be remedied by modifying the primary path limit located at T1 Paths tab of the multicast bandwidth policy which assigned to the card, or increase the primary path limit override located at the Daughter Card tab under Daughter Card Slot form.		

Table 18-205 ProvPowerCapacity

Alarm	Attributes	Applicable major NE releases
Name: ProvPowerCapacity (5182) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerManagementZone	Severity: major Implicitly cleared: true Default probable cause: provPowerCapacity (2098)	<ul style="list-style-type: none"> • 11.0.R4 • 12.0
Description: The ProvisionedPowerCapacity alarm is generated if a power zone's provisioned power capacity can no longer support configured devices.		
Remedial action: The system can no longer support configured devices. Power capacity is not sufficient enough to operate all the configured devices. Add more PEQs or delete some devices		

Table 18-206 PTPNotQualified

Alarm	Attributes	Applicable major NE releases
Name: PTPNotQualified (3611) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPNotQualified (1400)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when PTP on an NE is not in the Qualified state.		
Raising condition: (('Qualified For Use' EQUAL 'Not Qualified'))		
Clearing condition: (('Qualified For Use' NOT EQUAL 'Not Qualified'))		
Remedial action: Check the communication path is up between the local PTP slave clock and its selected master		

Table 18-207 PTPReferenceLossOfSignal

Alarm	Attributes	Applicable major NE releases
Name: PTPReferenceLossOfSignal (3613) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPReferenceLossOfSignal (1402)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the PTP reference on an NE is not qualified due to Loss of Signal.		
Raising condition: (('Not Qualified Due To'anyBit'LOS'))		
Clearing condition: NOT (('Not Qualified Due To'anyBit'LOS'))		
Remedial action: Check the communication path is up between the local PTP slave clock and its selected master		

Table 18-208 PTPReferenceOutOfFrequency

Alarm	Attributes	Applicable major NE releases
Name: PTPReferenceOutOfFrequency (3614) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPReferenceOutOfFrequency (1403)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the PTP Reference on an NE is not qualified due to Out of frequency.		
Raising condition: (('Not Qualified Due To'anyBit'OOF'))		
Clearing condition: NOT (('Not Qualified Due To'anyBit'OOF'))		
Remedial action: Make sure that fequency configured for Reference One is correct.		

Table 18-209 PTPReferenceOutOfPollInRange

Alarm	Attributes	Applicable major NE releases
Name: PTPReferenceOutOfPollInRange (3615) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPReferenceOutOfPollInRange (1404)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the PTP Reference on an NE is not qualified state due to Out of poll in range.		
Raising condition: (('Not Qualified Due To'anyBit'OOPIR'))		
Clearing condition: NOT (('Not Qualified Due To'anyBit'OOPIR'))		
Remedial action: If there is packet flow, the PTP slave clock is in it's initial acquiring states where the sync-if-timing reference does not qualify just wait.		

Table 18-210 RadiusOperStatusDown

Alarm	Attributes	Applicable major NE releases
Name: RadiusOperStatusDown (3692) Type: radiusOperStatusDownAlarm (105) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: radiusOperationStatusDown (1431)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when all RADIUS servers have gone down.		
Raising condition: ('Global RADIUS Operational State' EQUAL 'Down')		
Clearing condition: ('Global RADIUS Operational State' EQUAL 'Up')		
Remedial action: Verify the RADIUS server is properly configured and radius server state is up.Check the connectivity between SAM server and radius server configured on the Network element.		

Table 18-211 ReachabilityProblem

Alarm	Attributes	Applicable major NE releases
Name: ReachabilityProblem (243) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ReachabilityTestFailed (176)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when an Mediation poll of the SysUpTimeAlarm object on an NE fails, for example, because of network congestion or because the NE is too busy to respond. The probable cause is an unreachable NE Mediation agent on the NE. By default, the 5620 SAM polls a managed NE every two minutes. If a poll fails, the alarm is raised. The 5620 SAM polls the NE two minutes after the first failure. If successive polls fail, the 5620 SAM raises the polling interval for the NE by two minutes after each failure to a maximum of 12 min. The polling interval remains at 12 min until the 5620 SAM receives a response from the NE. The alarm clears when the 5620 SAM receives a response from the NE, and the 5620 SAM GUI icon that represents the NE turns from red to green.		
Raising condition: ('SNMP Reachability' EQUAL 'Down')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 18-212 ReconfigFailure

Alarm	Attributes	Applicable major NE releases
Name: ReconfigFailure (1949) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: failedReconfig (937)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: This alarm is raised when the reconfig action failed.		
Raising condition: ('State' EQUAL 'Failed')		
Clearing condition: ('State' NOT EQUAL 'Failed')		
Remedial action: Verify that the object is configured as expected.		

Table 18-213 RedundantMepMisconfiguration

Alarm	Attributes	Applicable major NE releases
Name: RedundantMepMisconfiguration (3631) Type: oamAlarm (18) Package: ethernetOam Raised on class: ethernetOam.Mep	Severity: minor Implicitly cleared: true Default probable cause: misconfiguredRedundantMep (1416)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when an Active and Redundant MEP do not have the same Id, Operational MAC Address or Sub Group configured.		
Raising condition: ('validRedundantMepConfig' EQUAL 'false')		

(1 of 2)

18 – Alcatel-Lucent 7950 XRS alarms

Alarm	Attributes	Applicable major NE releases
Clearing condition: ('validRedundantMepConfig' EQUAL 'true')		
Remedial action: MC-LAG redundant MEP configuration (MEP ID or Mac Address) for Active & Standby Interfaces do not match, this could cause issues with CFM or CCM tests if Active interface changes. Delete and Re-create Standby MEP to match Active.		

(2 of 2)

Table 18-214 RedundantMepMissing

Alarm	Attributes	Applicable major NE releases
Name: RedundantMepMissing (3632) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: minor Implicitly cleared: true Default probable cause: missingRedundantMep (1417)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when a MEP misses a redundant counterpart on LAG or SAP.		
Raising condition: (('MC-LAG Inactive' NOT EQUAL 'Not Applicable') AND ('Redundant MEP' EQUAL '\'))		
Clearing condition: (('MC-LAG Inactive' EQUAL 'Not Applicable') OR (('MC-LAG Inactive' NOT EQUAL 'Not Applicable') AND ('Redundant MEP' NOT EQUAL '\')))		
Remedial action: MC-LAG redundant MEP is missing Active & Standby Interfaces, this will cause issues with CFM or CCM tests if Active interface changes. Create missing Active/Standby MEP to match existing.		

Table 18-215 RemoteMepCCMAAlarm

Alarm	Attributes	Applicable major NE releases
Name: RemoteMepCCMAAlarm (502) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: major Implicitly cleared: true Default probable cause: missingRemoteMep (388)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when a MEP loses connectivity with one or more remote MEPs. The Remote MEP DB State tab on a MEP lists the missing remote MEPs.		
Raising condition: ('High-Priority Defect' NOT EQUAL '0')		
Clearing condition: ('High-Priority Defect' EQUAL '0')		
Remedial action: MEP has lost communication with Remote MEP defined in Maintenance Association (MEG) Remote MEP list, Either Remote MEP list is incorrect or diagnose connection fault and resolve.		

Table 18-216 RemoteRncvOperDown

Alarm	Attributes	Applicable major NE releases
Name: RemoteRncvOperDown (522) Type: redundancyAlarm (52) Package: multichassis Raised on class: multichassis.MultiChassisRingNode	Severity: major Implicitly cleared: true Default probable cause: remoteRncvDisconnected (397)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the remote RNCV Operational State of a ring node is other than Connected or NotTested, which means that the ring node is not connected to the local MC ring group. The alarm clears when the ring node enters the Connected or NotTested state.		
Raising condition: (('Remote Operational State' NOT EQUAL 'Connected') AND ('Remote Operational State' NOT EQUAL 'Not Tested'))		
Clearing condition: (('Remote Operational State' EQUAL 'Connected') OR ('Remote Operational State' EQUAL 'Not Tested'))		
Remedial action: Make sure that ring node is properly connected to MC ring group.		

Table 18-217 RouteDistinguisherNotConfigured

Alarm	Attributes	Applicable major NE releases
Name: RouteDistinguisherNotConfigured (142) Type: configurationAlarm (11) Package: l3fwd Raised on class: l3fwd.ServiceSite	Severity: major Implicitly cleared: true Default probable cause: routeDistinguisherNotConfigured (113)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when no RD is configured for an L3 service site.		
Raising condition: ('routeDistinguisher' EQUAL "\00 00 00 00 00 00 00")		
Clearing condition: ('routeDistinguisher' NOT EQUAL "\00 00 00 00 00 00 00")		
Remedial action: A configuration error has occurred which must be corrected. The RD must be configured on the L3 Service Site in question.		

Table 18-218 RsvpDown

Alarm	Attributes	Applicable major NE releases
Name: RsvpDown (74) Type: ProtocolAlarm (1) Package: rsvp Raised on class: rsvp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when an RSVP site has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: The RSVP Site is down while it is administratively up. Please check MPLS is enabled and administratively up.		

Table 18-219 RxSectionSynchronizationError

Alarm	Attributes	Applicable major NE releases
Name: RxSectionSynchronizationError (93) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: rxSectionSynchronizationError (79)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when a SONET port reports a section synchronization failure. A section synchronization failure occurs when the S1 byte is inconsistent for eight consecutive frames.		
Raising condition: (('Outstanding Alarms'anyBit'RX Section Synchronization Error') AND ('Report Alarms'anyBit'RX Section Synchronization Error'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'RX Section Synchronization Error') AND ('Report Alarms'anyBit'RX Section Synchronization Error'))		
Remedial action: Check the link status between SONET Port and the source.		

Table 18-220 S2LPathBypassTunnelActive

Alarm	Attributes	Applicable major NE releases
Name: S2LPathBypassTunnelActive (777) Type: pathAlarm (12) Package: mpls Raised on class: mpls.S2LPath	Severity: warning Implicitly cleared: true Default probable cause: S2LPathReroutedToBypassTunnel (552)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the bypass tunnel in an S2L path becomes active. The alarm clears when the bypass tunnel is no longer active, for example, because a primary tunnel failure is resolved or a new path is established.		
Raising condition: ('Bypass Tunnel Active' EQUAL 'true')		
Clearing condition: ('Bypass Tunnel Active' EQUAL 'false')		
Remedial action: Check what caused primary tunnel is down and fix it if possible.		

Table 18-221 S2LPathDown

Alarm	Attributes	Applicable major NE releases
Name: S2LPathDown (778) Type: pathAlarm (12) Package: mpls Raised on class: mpls.S2LPath	Severity: major Implicitly cleared: true Default probable cause: S2LPathDown (553)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the S2L path Administrative State is Up and the Operational State is not Up. The alarm clears when the S2L path Operational State changes to Up or the Administrative State changes to Down.		
Raising condition: (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up'))		
Clearing condition: (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up'))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: Check the failure code and update accordingly, e.g. whether MPLS/RSVP interfaces, OSPF interfaces are down.		

(2 of 2)

Table 18-222 SapDDosDynamicExceeded

Alarm	Attributes	Applicable major NE releases
Name: SapDDosDynamicExceeded (4890) Type: securityServiceOrMechanismViolation (92) Package: service Raised on class: service.AccessInterface	Severity: warning Implicitly cleared: true Default probable cause: ExceedingPolicingParameters (1950)	<ul style="list-style-type: none"> 11.0 12.0
Description: The alarm is raised when the protocol on a particular SAP has been detected as non-conformant to the associated distributed CPU protection policy parameters (on receiving sapDcpDynamicExcd trap) and the alarm status is set as non-conformant. When the SAP starts hold-down period for an exceeding protocol (on receiving sapDcpDynamicHoldDownStart trap), the alarm status will change into non-conformant(Hold Down Start). When the SAP completes hold-down period for an exceeding protocol (on receiving sapDcpDynamicHoldDownEnd trap), the alarm status will be changed into non-conformant(Hold Down End). When the protocol for the SAP has been detected as conformant for a period of the configured detection-time after having been previously detected as exceeding and completed any hold-down period (on receiving sapDcpDynamicConform trap), the alarm will be cleared.		
Remedial action: Appropriate configuration changes to the distributed CPU protection policy or to the affected SAP may be required.		

Table 18-223 SapDDosLocMonitorExceeded

Alarm	Attributes	Applicable major NE releases
Name: SapDDosLocMonitorExceeded (4891) Type: securityServiceOrMechanismViolation (92) Package: service Raised on class: service.AccessInterface	Severity: warning Implicitly cleared: true Default probable cause: ExceedingPolicingParameters (1950)	<ul style="list-style-type: none"> 11.0 12.0
Description: The alarm is raised when the local-monitoring-policer for a particular SAP has transitioned from a conformant state to a non-conformant state and the system will attempt to allocate dynamic enforcement policers (on receiving sapDcpLocMonExcd trap), and the alarm status is set as non-conformant. When all dynamic enforcement policers associated with a non-conformant local-monitoring-policer have been successfully allocated for the SAP (on receiving sapDcpLocMonExcdAllDynAlloc trap), the alarm status will be changed into non-conformant(Located All). When the local-monitoring-policer for a particular SAP has transitioned from a conformant state to a non-conformant state and the system cannot allocate all the dynamic enforcement policers associated with the distributed CPU protection policy (on receiving sapDcpLocMonExcdDynResource trap), the alarm status will be changed into non-conformant(Cannot Allocate All). When all the previously allocated dynamic enforcement policers for a particular local-monitoring-policer on the associated distributed CPU protection policy have been freed up and all the protocols are once again being monitored by local-monitor (on receiving sapDcpLocMonExcdAllDynFreed trap), the alarm will be cleared.		
Remedial action: Appropriate configuration changes to the distributed CPU protection policy or to the affected SAP may be required.		

Table 18-224 SapDDosStaticExceeded

Alarm	Attributes	Applicable major NE releases
Name: SapDDosStaticExceeded (4892) Type: securityServiceOrMechanismViolation (92) Package: service Raised on class: service.AccessInterface	Severity: warning Implicitly cleared: true Default probable cause: ExceedingPolicingParameters (1950)	<ul style="list-style-type: none"> • 11.0 • 12.0
Description: The alarm is raised when the static-policer on a particular SAP has been detected as non-conformant to the associated distributed CPU protection policy parameters (on receiving sapDcpStaticExcd trap) and the alarm status is set as non-conformant. When the SAP starts hold-down period for the exceeding static-policer (on receiving sapDcpStaticHoldDownStart trap), the alarm status will change into non-conformant(Hold Down Start). When the SAP ends hold-down period for the exceeding static-policer (on receiving sapDcpStaticHoldDownEnd trap), the alarm status will be changed into non-conformant(Hold Down End). When the static-policer for the SAP has been detected as conformant for a period of the configured detection-time after having been previously detected as exceeding and completed any hold-down period (on receiving sapDcpStaticConform trap), the alarm will be cleared.		
Remedial action: Appropriate configuration changes to the distributed CPU protection policy or to the affected SAP may be required.		

Table 18-225 SaveConfigFailed

Alarm	Attributes	Applicable major NE releases
Name: SaveConfigFailed (105) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileAccessError (90)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the admin save command on an NE fails.		
Raising condition: ('Config Save State' EQUAL 'Failure')		
Clearing condition: ('Config Save State' EQUAL 'Success')		
Remedial action: Attempt the admin save command a second time. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 18-226 ScheduledPollerProblem

Alarm	Attributes	Applicable major NE releases
Name: ScheduledPollerProblem (4386) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: scheduledResyncFailed (1569)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
Raising condition: ('Scheduled Resync Status' EQUAL 'Scheduled Resync Failed')		
Clearing condition: ('Scheduled Resync Status' EQUAL 'Scheduled Resync Done')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

(2 of 2)

Table 18-227 SdpBindingDown

Alarm	Attributes	Applicable major NE releases
Name: SdpBindingDown (221) Type: SdpBindingAlarm (30) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: SdpBindingNotReady (166)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when an SDP binding has an Operational State other than Up.		
Raising condition: (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'Standby For BGP Multi-Homing'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'Standby For BGP Multi-Homing'))		
Remedial action: To resolve this alarm check the SDP binding to determine if a configuration mismatch exists. If configuration is determined to be correct then the associated network interface may be down. Further investigation is required to determine why the underlying network interface is down.		

Table 18-228 SdpBindingTunnelDown

Alarm	Attributes	Applicable major NE releases
Name: SdpBindingTunnelDown (222) Type: CircuitAlarm (17) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: SdpTunnelNotReady (167)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when an SDP binding tunnel has an Operational State other than Up.		
Raising condition: (('Operational State' EQUAL 'Tunnel Not Ready') OR ('Operational State' EQUAL 'Tunnel Down'))		
Clearing condition: (('Operational State' NOT EQUAL 'Tunnel Not Ready') AND ('Operational State' NOT EQUAL 'Tunnel Down'))		
Remedial action: To resolve this alarm check the endpoints of the SDP binding to determine if a configuration mismatch exists. If configuration matches then the underlying network resource between the endpoints of the SDP may be down. Further investigation is required to determine why the underlying transport network is down.		

Table 18-229 SdpEgressIfsNetDomainInConsistent

Alarm	Attributes	Applicable major NE releases
Name: SdpEgressIfsNetDomainInConsistent (3616) Type: resourceAlarm (28) Package: svt Raised on class: svt.Tunnel	Severity: warning Implicitly cleared: true Default probable cause: sdpEgressIfsNetDomainInConsistent (1405)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the SDP egress interface's consistency state changes to inconsistent.		
Raising condition: ('Egress Interfaces Consistency State' EQUAL '3')		
Clearing condition: ('Egress Interfaces Consistency State' EQUAL '2')		
Remedial action: To resolve this alarm check egress interfaces of the SDP configuration. If configuration is determined to be correct check underlying physical transport. Further investigation is required.		

Table 18-230 SecondaryPathLimitReached

Alarm	Attributes	Applicable major NE releases
Name: SecondaryPathLimitReached (458) Type: resourceAlarm (28) Package: equipment Raised on class: equipment.DaughterCard	Severity: warning Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the Ingress Multicast Path Management secondary path bandwidth limit is reached.		
Raising condition: (('Secondary Path Limit Override' > '0') AND ('Secondary Path In use' >= (1000 * 'Secondary Path Limit Override'))"		
Clearing condition: (('Secondary Path Limit Override' > '0') AND ('Secondary Path In use' < (1000 * 'Secondary Path Limit Override'))"		
Remedial action: Informational - The alarm is raised when the Ingress Multicast Path Management secondary path bandwidth limit is reached. This can be remedied by modifying the secondary path limit located at T1 Paths tab of the multicast bandwidth policy which assigned to the card, or increase the secondary path limit override located at the Daughter Card tab under Daughter Card Slot form.		

Table 18-231 SectionB1Error

Alarm	Attributes	Applicable major NE releases
Name: SectionB1Error (87) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: sectionB1Error (73)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when a SONET port reports a section error condition that a remote NE raises because of b1 errors received from the local NE. The alarm corresponds to the lrei alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'Section B1 Error') AND ('Report Alarms'anyBit'Section B1 Error'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Section B1 Error') AND ('Report Alarms'anyBit'Section B1 Error'))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

(2 of 2)

Table 18-232 SectionLossOfFrame

Alarm	Attributes	Applicable major NE releases
Name: SectionLossOfFrame (90) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: sectionLossOfFrame (76)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when a SONET port reports a SLOF error. The alarm corresponds to the slof alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'Section Loss of Frame') AND ('Report Alarms'anyBit'Section Loss of Frame'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Section Loss of Frame') AND ('Report Alarms'anyBit'Section Loss of Frame'))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected.		

Table 18-233 SectionLossOfSignal

Alarm	Attributes	Applicable major NE releases
Name: SectionLossOfSignal (91) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: sectionLossOfSignal (77)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when a SONET port reports a SLOS error. The alarm corresponds to the slos alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'Section Loss of Signal') AND ('Report Alarms'anyBit'Section Loss of Signal'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Section Loss of Signal') AND ('Report Alarms'anyBit'Section Loss of Signal'))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected.		

Table 18-234 SectionS1Failure

Alarm	Attributes	Applicable major NE releases
Name: SectionS1Failure (86) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: sectionS1Failure (72)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when a SONET port reports a section synchronization failure. A section synchronization failure occurs when the S1 byte is inconsistent for eight consecutive frames.		
Raising condition: (('Outstanding Alarms'anyBit'Section S1 Failure') AND ('Report Alarms'anyBit'Section S1 Failure'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'Section S1 Failure') AND ('Report Alarms'anyBit'Section S1 Failure'))		
Remedial action: Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 18-235 ServiceSiteDown

Alarm	Attributes	Applicable major NE releases
Name: ServiceSiteDown (97) Type: serviceAlarm (16) Package: service Raised on class: service.Site	Severity: critical Implicitly cleared: true Default probable cause: siteDown (83)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when all SAPs on a site are operationally down, or when the service tunnels for the site are operationally down.		
Raising condition: (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'All Spoke SDP Bindings are Standby'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'All Spoke SDP Bindings are Standby'))		
Remedial action: The network resources (i.e. physical ports for SAPs, or physical ports/LSP) associated with the service site should be examined to determine if/why they are operationally down. The underlying transport network supporting the site may also be unreliable.		

Table 18-236 SessionDown

Alarm	Attributes	Applicable major NE releases
Name: SessionDown (73) Type: ProtocolAlarm (1) Package: rsvp Raised on class: rsvp.Session	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when an RSVP session is operationally down.		
Raising condition: ('Operational State' EQUAL 'Down')		
Clearing condition: ('Operational State' EQUAL 'Up')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: Please check the RSVP session path to make sure all associated protocols/interfaces/connections are OK.		

(2 of 2)

Table 18-237 ShamLinkDown

Alarm	Attributes	Applicable major NE releases
Name: ShamLinkDown (665) Type: ShamLinkAlarm (57) Package: ospf Raised on class: ospf.ShamLink	Severity: critical Implicitly cleared: true Default probable cause: ShamLinkDown (492)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when a sham link is operationally down.		
Raising condition: ('Operational State' EQUAL 'Down')		
Clearing condition: ('Operational State' NOT EQUAL 'Down')		
Remedial action: This alarm is raised when the OSPF sham link is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 18-238 SingleSFMOverloadDetected

Alarm	Attributes	Applicable major NE releases
Name: SingleSFMOverloadDetected (843) Type: ProtocolAlarm (1) Package: I3fwd Raised on class: I3fwd.Site	Severity: major Implicitly cleared: true Default probable cause: singleSfmOverloadDetected (601)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when a device reports a single-SFM overload. The alarm clears when the VR exits the Overload state.		
Raising condition: ('Overload State' EQUAL 'Overload')		
Clearing condition: ('Overload State' EQUAL 'Normal')		
Remedial action: Information - if the the problem persists please contact Alcatel-Lucent support for assistance.		

Table 18-239 SonetPathAlarmIndicationSignal

Alarm	Attributes	Applicable major NE releases
Name: SonetPathAlarmIndicationSignal (129) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathAlarmIndicationSignal (63)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when a SONET port reports a PAIS error. The alarm corresponds to the pais alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'Path Alarm Indication Signal') AND ('Report Alarms'anyBit'Path Alarm Indication Signal'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Path Alarm Indication Signal') AND ('Report Alarms'anyBit'Path Alarm Indication Signal'))))		
Remedial action: Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 18-240 SonetPathB3Error

Alarm	Attributes	Applicable major NE releases
Name: SonetPathB3Error (132) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathB3Error (66)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when a SONET port reports a path error condition because of b3 errors. The alarm corresponds to the prei alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'Path B3 error') AND ('Report Alarms'anyBit'Path B3 error'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Path B3 error') AND ('Report Alarms'anyBit'Path B3 error'))))		
Remedial action: Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 18-241 SonetPathLossOfCodegroupDelineationError

Alarm	Attributes	Applicable major NE releases
Name: SonetPathLossOfCodegroupDelineationError (248) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathLossOfCodegroupDelineationError (185)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when a SONET port reports a PLCD error. The alarm corresponds to the plcd alarm on an NE.		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Raising condition: (('Outstanding Alarms'anyBit'Path Loss of Codegroup Delineation Error') AND ('Report Alarms'anyBit'Path Loss of Codegroup Delineation Error'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Path Loss of Codegroup Delineation Error') AND ('Report Alarms'anyBit'Path Loss of Codegroup Delineation Error'))))		
Remedial action: Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

(2 of 2)

Table 18-242 SonetPathLossOfPointer

Alarm	Attributes	Applicable major NE releases
Name: SonetPathLossOfPointer (130) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathLossOfPointer (64)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when a SONET port reports a PLOP error. The alarm corresponds to the plop alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'Path Loss of Pointer') AND ('Report Alarms'anyBit'Path Loss of Pointer'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Path Loss of Pointer') AND ('Report Alarms'anyBit'Path Loss of Pointer'))))		
Remedial action: Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 18-243 SonetPathPayloadMismatch

Alarm	Attributes	Applicable major NE releases
Name: SonetPathPayloadMismatch (133) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathPayloadMismatch (67)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when a SONET port reports a PPLM error on a channel, after which the channel is set operationally down. The alarm corresponds to the pplm alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'Path Payload Mismatch') AND ('Report Alarms'anyBit'Path Payload Mismatch'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Path Payload Mismatch') AND ('Report Alarms'anyBit'Path Payload Mismatch'))))		
Remedial action: Informational only.		

Table 18-244 SonetPathRemoteB3Error

Alarm	Attributes	Applicable major NE releases
Name: SonetPathRemoteB3Error (134) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathRemoteB3Error (68)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when a SONET port reports a path error condition that a remote NE raises because of b3 errors received from the local NE. The alarm corresponds to the prei alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'Path Remote B3 Error') AND ('Report Alarms'anyBit'Path Remote B3 Error'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Path Remote B3 Error') AND ('Report Alarms'anyBit'Path Remote B3 Error'))		
Remedial action: Check the remote NE is configured correctly and its physical layer cabling is operating correctly.		

Table 18-245 SonetPathRemoteDefectIndication

Alarm	Attributes	Applicable major NE releases
Name: SonetPathRemoteDefectIndication (131) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathRemoteDefectIndication (65)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when a SONET port reports a remote PAIS error. The alarm corresponds to the pais alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'Path Remote Defect Indication') AND ('Report Alarms'anyBit'Path Remote Defect Indication'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Path Remote Defect Indication') AND ('Report Alarms'anyBit'Path Remote Defect Indication'))		
Remedial action: Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 18-246 SonetPathUnequippedPathError

Alarm	Attributes	Applicable major NE releases
Name: SonetPathUnequippedPathError (143) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathUnequippedPathError (114)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when a SONET port reports a path unequipped error. The alarm corresponds to the Path Alarm Unequipped Path Error alarm on an NE.		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Raising condition: (('Outstanding Alarms'anyBit'Path Alarm Unequipped Path Error') AND ('Report Alarms'anyBit'Path Alarm Unequipped Path Error'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Path Alarm Unequipped Path Error') AND ('Report Alarms'anyBit'Path Alarm Unequipped Path Error'))		
Remedial action: Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

(2 of 2)

Table 18-247 SpbAdjacencyDown

Alarm	Attributes	Applicable major NE releases
Name: SpbAdjacencyDown (4392) Type: adjacencyAlarm (31) Package: spb Raised on class: spb.AbstractInterface	Severity: minor Implicitly cleared: true Default probable cause: IsisInterfaceDown (232)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when an SPB IS-IS interface has no adjacencies, for example, because the IS-IS protocol on the remote site is down.		
Raising condition: (('Adjacency Count' EQUAL '0L'))		
Clearing condition: (('Adjacency Count' > '0L'))		
Remedial action: Check remote site to see if corresponding IS-IS interface is configured and admin up.		

Table 18-248 SpbInterfaceDown

Alarm	Attributes	Applicable major NE releases
Name: SpbInterfaceDown (4393) Type: ProtocolAlarm (1) Package: spb Raised on class: spb.AbstractInterface	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when an SPB IS-IS interface has an Operational State other than Up.		
Raising condition: ('operationalState' EQUAL 'Down')		
Clearing condition: ('operationalState' NOT EQUAL 'Down')		
Remedial action: Check if underlying port is down, or associated network interface is down.		

Table 18-249 SpbSiteDown

Alarm	Attributes	Applicable major NE releases
Name: SpbSiteDown (4396) Type: ProtocolAlarm (1) Package: spb Raised on class: spb.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when an SPB site has an Operational State other than Up.		
Raising condition: ('Operational State' NOT EQUAL 'Up')		
Clearing condition: ('Operational State' EQUAL 'Up')		
Remedial action: Check if the administrative state is down. If the administrative state is up, then check the ISIS instance associated with the SPB and make sure it is up.		

Table 18-250 StatsRetrieveFailed

Alarm	Attributes	Applicable major NE releases
Name: StatsRetrieveFailed (244) Type: configurationAlarm (11) Package: sw Raised on class: sw.AccountingStatsRetrievalManager	Severity: major Implicitly cleared: false Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the 5620 SAM main or auxiliary server cannot transfer an accounting file from an NE.		
Raising condition: (('Stats Retrieval State' NOT EQUAL 'Success') AND ('Stats Retrieval State' NOT EQUAL 'Not Attempted'))		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy or otherwise cannot respond to the 5620 SAM main or auxiliary server.		

Table 18-251 StpExceptionCondition

Alarm	Attributes	Applicable major NE releases
Name: StpExceptionCondition (297) Type: AccessInterfaceAlarm (32) Package: l2fwd Raised on class: l2fwd.AccessInterfaceStp	Severity: major Implicitly cleared: true Default probable cause: StpException (228)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when a SAP detects an STP exception condition, for example, one-way communication or a downstream loop. The alarm clears when the STP condition changes.		
Raising condition: (('STP Exception Condition' NOT EQUAL 'None') AND ('Administrative State' EQUAL 'Up'))		
Clearing condition: (('STP Exception Condition' EQUAL 'None') OR ('Administrative State' EQUAL 'Down'))		
Remedial action: Check 'STP Exception Condition' field for more details and fix the STP exception.		

Table 18-252 StpRootGuardViolation

Alarm	Attributes	Applicable major NE releases
Name: StpRootGuardViolation (503) Type: AccessInterfaceAlarm (32) Package: l2fwd Raised on class: l2fwd.AccessInterfaceStp	Severity: warning Implicitly cleared: true Default probable cause: spanningTreeTopologyChanged (331)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when a SAP detects an STP root guard violation.		
Raising condition: ('Root Guard Violation' EQUAL 'true')		
Clearing condition: ('Root Guard Violation' NOT EQUAL 'true')		
Remedial action: Set 'Root Guard' to false if not necessary.		

Table 18-253 SubscriberSystemNextHopUsageHigh

Alarm	Attributes	Applicable major NE releases
Name: SubscriberSystemNextHopUsageHigh (5157) Type: thresholdCrossed (6) Package: netw Raised on class: netw.NetworkElement	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit.		
Raising condition: ('IP Next Hop Usage High' EQUAL 'true')		
Clearing condition: ('IP Next Hop Usage High' EQUAL 'false')		
Remedial action: The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit. There is no immediate effect, but when the usage actually hits the limit, new hosts will not get their managed routes.		

Table 18-254 svcMacFdbTabelFull

Alarm	Attributes	Applicable major NE releases
Name: svcMacFdbTabelFull (3890) Type: resourceAlarm (28) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the system limit of FDB records is reached.		
Remedial action: The alarm is raised when system limit of FDB records is reached.		

Table 18-255 TemperatureThresholdCrossed

Alarm	Attributes	Applicable major NE releases
Name: TemperatureThresholdCrossed (7) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Environment	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when a temperature crosses a threshold.		
Raising condition: ('temperatureThresholdCrossed' EQUAL 'true')		
Clearing condition: ('temperatureThresholdCrossed' EQUAL 'false')		
Remedial action: The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 18-256 TmnxEqPortEtherLoopDetected

Alarm	Attributes	Applicable major NE releases
Name: TmnxEqPortEtherLoopDetected (461) Type: portEtherLoopDetected (48) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when a device detects a physical loop on an Ethernet port.		
Raising condition: (('Down When Looped Status' EQUAL 'Loop Detected'))		
Clearing condition: (('Down When Looped Status' EQUAL 'No Loop Detected'))		
Remedial action: An Ethernet port has been mis-cabled - please remove the loopback cable on the port.		

Table 18-257 TPLSPDown

Alarm	Attributes	Applicable major NE releases
Name: TPLSPDown (4900) Type: pathAlarm (12) Package: mplstp Raised on class: mplstp.TPLsp	Severity: critical Implicitly cleared: true Default probable cause: TPLSPDown (1957)	<ul style="list-style-type: none"> • 12.0
Description: The alarm is raised when the TP LSP Administrative State is Up and the Operational State is Down. The alarm clears when the TP LSP Operational State changes to Up or the Administrative State changes to Down.		
Raising condition: (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up'))		
Clearing condition: (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up'))		
Remedial action: The Operational state of the TP LSP is down, despite the Administrative state being up. Review the configuration and make sure that the destination information is set correctly and that the Administrative state is up.		

Table 18-258 TPLSPATHDown

Alarm	Attributes	Applicable major NE releases
Name: TPLSPATHDown (4901) Type: pathAlarm (12) Package: mplstp Raised on class: mplstp.TPLspPath	Severity: critical Implicitly cleared: true Default probable cause: TPLSPATHDown (1958)	<ul style="list-style-type: none"> 12.0
Description: The alarm is raised when the TP LSP Path Administrative State is Up and the Operational State is Down. The alarm clears when the TP LSP Path Operational State changes to Up or the Administrative State changes to Down.		
Raising condition: (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up'))		
Clearing condition: (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up'))		
Remedial action: The Operational state of the TP LSP Path is down, despite the Administrative state being up. Review the configuration and make sure that the Administrative state is up, the egress and ingress labels are set and the Out-Link interface is operationally up.		

Table 18-259 TrapDestinationMisconfigured

Alarm	Attributes	Applicable major NE releases
Name: TrapDestinationMisconfigured (33) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: trapDestinationMisconfigured (26) Applicable probable causes: <ul style="list-style-type: none"> trapDestinationMisconfigured duplicateTrapLogId 	<ul style="list-style-type: none"> 10.0 11.0 11.0.R4 12.0
Description: The alarm is raised when the 5620 SAM cannot be added to the NE's SNMP trap destinations.		
Raising condition: ('isTrapDestinationMisconfigured' EQUAL 'true')		
Clearing condition: ('isTrapDestinationMisconfigured' EQUAL 'false')		
Remedial action: A configuration error has been made which must be corrected. The SNMP trap destination on the NE must be configured to the IP address of the SAM server.		

Table 18-260 TrapReceivingFailure

Alarm	Attributes	Applicable major NE releases
Name: TrapReceivingFailure (1083) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: false Default probable cause: trapsWillNotBeSent (822)	<ul style="list-style-type: none"> 10.0 11.0 11.0.R4 12.0

(1 of 2)

18 – Alcatel-Lucent 7950 XRS alarms

Alarm	Attributes	Applicable major NE releases
Description: This user-defined alarm is raised when the NE is unable to send traps because the NE configuration is one of the following: - The Management IP Selection is set to Out Of Band Only, the Primary Route Preference is set to In Band, and the Secondary Route Preference is set to None. - The Management IP Selection is set to In Band Only, the Primary Route Preference is set to Out Of Band, and the Secondary Route Preference is set to None.		
Raising condition: (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
Clearing condition: (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND (('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND (('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND (('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND (('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND (('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND (('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band'))))		
Remedial action: A configuration error has been made which must be corrected. The configuration error must be corrected per the discussion in the description for this alarm.		

(2 of 2)

Table 18-261 TrapRoutePreferenceRedundancyMissing

Alarm	Attributes	Applicable major NE releases
Name: TrapRoutePreferenceRedundancyMissing (1084) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: trapsRedundancyMissing (823)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The user-defined alarm is raised when NE management redundancy is configured without trap route preference redundancy.		
Raising condition: (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
Clearing condition: (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Secondary Route Preference' NOT EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Secondary Route Preference' NOT EQUAL 'None'))))		
Remedial action: A configuration error has been made which must be corrected. The IP address of the standby SAM server must be configured on the NE in question.		

Table 18-262 TunnelAdministrativelyDown (mpls)

Alarm	Attributes	Applicable major NE releases
Name: TunnelAdministrativelyDown (523) Type: pathAlarm (12) Package: mpls Raised on class: mpls.Tunnel	Severity: minor Implicitly cleared: true Default probable cause: tunnelAdministrativelyDown (333)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the 5620 SAM detects that an MPLS path is administratively down.		
Raising condition: ('Administrative' NOT EQUAL 'Up')		
Clearing condition: ('Administrative' EQUAL 'Up')		
Remedial action: Turn up the corresponding MPLS path.		

Table 18-263 TunnelAdministrativelyDown (svt)

Alarm	Attributes	Applicable major NE releases
Name: TunnelAdministrativelyDown (523) Type: pathAlarm (12) Package: svt Raised on class: svt.Tunnel	Severity: minor Implicitly cleared: true Default probable cause: tunnelAdministrativelyDown (333)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the 5620 SAM detects that a service tunnel is administratively down.		
Raising condition: ('administrativeState' NOT EQUAL 'Up')		
Clearing condition: ('administrativeState' EQUAL 'Up')		
Remedial action: Informational - an operator has manually turned down a service tunnel.		

Table 18-264 TunnelDown (mpls)

Alarm	Attributes	Applicable major NE releases
Name: TunnelDown (30) Type: pathAlarm (12) Package: mpls Raised on class: mpls.Tunnel	Severity: warning Implicitly cleared: true Default probable cause: tunnelDown (23)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when an MPLS path has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up'))		
Clearing condition: (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up'))		
Remedial action: Check the network resources along the path.		

Table 18-265 TunnelDown (svt)

Alarm	Attributes	Applicable major NE releases
Name: TunnelDown (30) Type: pathAlarm (12) Package: svt Raised on class: svt.AbstractTunnel	Severity: critical Implicitly cleared: true Default probable cause: tunnelDown (23)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the 5620 SAM detects that a service tunnel is operationally down.		
Raising condition: (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up'))		
Clearing condition: (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up'))		
Remedial action: This alarm indicates that a problem has been made in the underlying transport network. If the alarm persists or re-occurs frequently then investigation of the underlying transport issues is warranted.		

Table 18-266 TxSectionSynchronizationError

Alarm	Attributes	Applicable major NE releases
Name: TxSectionSynchronizationError (92) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: txSectionSynchronizationError (78)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when a SONET port reports an SS1F error. The alarm corresponds to the ss1f alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'TX Section Synchronization Error') AND ('Report Alarms'anyBit'TX Section Synchronization Error'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'TX Section Synchronization Error') AND ('Report Alarms'anyBit'TX Section Synchronization Error'))		
Remedial action: Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 18-267 UnidentifiedNode

Alarm	Attributes	Applicable major NE releases
Name: UnidentifiedNode (1922) Type: communicationsAlarm (4) Package: netw Raised on class: netw.DiscoveredNode	Severity: major Implicitly cleared: true Default probable cause: unidentifiedNode (922)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the node being discovered can not be properly identified.		
Raising condition: ('State' EQUAL 'Pending Identification')		
Clearing condition: ('State' NOT EQUAL 'Pending Identification')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: A configuration error has occurred that must be corrected. The eNodeB does not have a system name. The name can be configured by selecting the alarm, opening the associated properties form for the alarmed object and configuring the system name.		

(2 of 2)

Table 18-268 UnmanageFailed

Alarm	Attributes	Applicable major NE releases
Name: UnmanageFailed (300) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.NodeDiscoveryControl	Severity: warning Implicitly cleared: true Default probable cause: unableToDeleteNode (231)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when an attempt to unmanage an NE fails.		
Raising condition: ('Site State' EQUAL 'unmanage failed')		
Clearing condition: ('Site State' NOT EQUAL 'unmanage failed')		
Remedial action: Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 18-269 unsupportedPortUsage

Alarm	Attributes	Applicable major NE releases
Name: unsupportedPortUsage (5184) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: warning Implicitly cleared: true Default probable cause: incompatiblePortUsage (2100)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised in case unsupported port type is configured		
Raising condition: (('portId' >= '1L') AND ('portId' <= '4L') AND ('specificCardType' EQUAL 'EASv2') AND (('Port Usage' EQUAL 'MPT-HC') OR ('Port Usage' EQUAL 'MPT-MC')))"		
Clearing condition: NOT (((('portId' >= '1L') AND ('portId' <= '4L') AND ('specificCardType' EQUAL 'EASv2') AND (('Port Usage' EQUAL 'MPT-HC') OR ('Port Usage' EQUAL 'MPT-MC')))))"		
Remedial action: This alarm indicates unsupported port usage. Port usage configured on the NE is not supported by SAM.		

Table 18-270 UpgradedBuildVersionMismatch

Alarm	Attributes	Applicable major NE releases
Name: UpgradedBuildVersionMismatch (174) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: upgradedImageNotBooted (137)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the software version that an NE reports after a software upgrade does not match the version of the software used for the upgrade.		
Raising condition: ('upgradedBuildVersionMismatch' EQUAL 'true')		
Clearing condition: ('upgradedBuildVersionMismatch' EQUAL 'false')		
Remedial action: Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 18-271 upgradedCardAlarm

Alarm	Attributes	Applicable major NE releases
Name: upgradedCardAlarm (255) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: upgradedCard (194)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the standby CPM is rebooted and operational after a software upgrade. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
Raising condition: ('operationalState' EQUAL 'Upgrade')		
Clearing condition: ('operationalState' EQUAL 'Up')		
Remedial action: Informational - no corrective action required.		

Table 18-272 VersionConfigRestoreFailed

Alarm	Attributes	Applicable major NE releases
Name: VersionConfigRestoreFailed (536) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: versionMismatch (405)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the restore procedure on an NE fails because of a mismatch between the backup file set version and the NE software version.		
Raising condition: ('lastNmsVersionRestoreState' EQUAL 'Failure')		
Clearing condition: ('lastNmsVersionRestoreState' EQUAL 'Success')		
Remedial action: The backup files being restored do not match with the version of node software release. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

Table 18-273 VirtualLinkDown

Alarm	Attributes	Applicable major NE releases
Name: VirtualLinkDown (122) Type: VirtualLinkAlarm (21) Package: ospf Raised on class: ospf.VirtualLink	Severity: warning Implicitly cleared: true Default probable cause: VirtualLinkDown (104)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when a virtual link is Down.		
Raising condition: ('Operational State' EQUAL 'Down')		
Clearing condition: ('Operational State' NOT EQUAL 'Down')		
Remedial action: This alarm is raised when the OSPF virtual link is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 18-274 VirtualNeighborDown

Alarm	Attributes	Applicable major NE releases
Name: VirtualNeighborDown (123) Type: VirtualNeighborDown (22) Package: ospf Raised on classes: <ul style="list-style-type: none"> • ospf.ShamLink • ospf.VirtualLink 	Severity: warning Implicitly cleared: true Default probable cause: VirtualNeighborDown (105)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when a neighbor virtual link is operationally down.		
Raising condition: ('neighborCount' EQUAL '0L')		
Clearing condition: ('neighborCount' NOT EQUAL '0L')		
Remedial action: This alarm is raised when the OSPF neighbor virtual link is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 18-275 VRtrIfDDosDynamicExceeded

Alarm	Attributes	Applicable major NE releases
Name: VRtrIfDDosDynamicExceeded (4887) Type: securityServiceOrMechanismViolation (92) Package: rtr Raised on class: rtr.VirtualInterface	Severity: warning Implicitly cleared: true Default probable cause: ExceedingPolicingParameters (1950)	<ul style="list-style-type: none"> • 11.0 • 12.0

(1 of 2)

18 – Alcatel-Lucent 7950 XRS alarms

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when the protocol on a particular network interface has been detected as non-conformant to the associated distributed CPU protection policy parameters (on receiving vRtrIfDcpDynamicExcd trap) and the alarm status is set as non-conformant. When the network interface starts hold-down period for an exceeding protocol (on receiving vRtrIfDcpDynamicHoldDownStart trap), the alarm status will change into non-conformant(Hold Down Start). When the network interface completes hold-down period for an exceeding protocol (on receiving vRtrIfDcpDynamicHoldDownEnd trap), the alarm status will be changed into non-conformant(Hold Down End). When the protocol for the network interface has been detected as conformant for a period of the configured detection-time after having been previously detected as exceeding and completed any hold-down period (on receiving vRtrIfDcpDynamicConform trap), the alarm will be cleared.		
Remedial action: Appropriate configuration changes to the distributed CPU protection policy or to the affected network interface may be required.		

(2 of 2)

Table 18-276 VRtrIfDDosLocMonitorExceeded

Alarm	Attributes	Applicable major NE releases
Name: VRtrIfDDosLocMonitorExceeded (4888) Type: securityServiceOrMechanismViolation (92) Package: rtr Raised on class: rtr.VirtualInterface	Severity: warning Implicitly cleared: true Default probable cause: ExceedingPolicingParameters (1950)	<ul style="list-style-type: none"> 11.0 12.0
Description: The alarm is raised when the local-monitoring-policer for a particular network interface has transitioned from a conformant state to a non-conformant state and the system will attempt to allocate dynamic enforcement policers (on receiving sapDcpLocMonExcd trap), and the alarm status is set as non-conformant. When all dynamic enforcement policers associated with a non-conformant local-monitoring-policer have been successfully allocated for the network interface (on receiving sapDcpLocMonExcdAllDynAlloc trap), the alarm status will be changed into non-conformant(Located All). When the local-monitoring-policer for a particular network interface has transitioned from a conformant state to a non-conformant state and the system cannot allocate all the dynamic enforcement policers associated with the distributed CPU protection policy (on receiving sapDcpLocMonExcdDynResource trap), the alarm status will be changed into non-conformant(Cannot Allocate All). When all the previously allocated dynamic enforcement policers for a particular local-monitoring-policer on the associated distributed CPU protection policy have been freed up and all the protocols are once again being monitored by local-monitor (on receiving sapDcpLocMonExcdAllDynFreed trap), the alarm will be cleared.		
Remedial action: Appropriate configuration changes to the distributed CPU protection policy or to the affected network interface may be required.		

Table 18-277 VRtrIfDDosStaticExceeded

Alarm	Attributes	Applicable major NE releases
Name: VRtrIfDDosStaticExceeded (4889) Type: securityServiceOrMechanismViolation (92) Package: rtr Raised on class: rtr.VirtualInterface	Severity: warning Implicitly cleared: true Default probable cause: ExceedingPolicingParameters (1950)	<ul style="list-style-type: none"> 11.0 12.0

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when the static-policer on a particular network interface has been detected as non-conformant to the associated distributed CPU protection policy parameters (on receiving vRtrIfDcpStaticExcd trap) and the alarm status is set as non-conformant. When the network interface starts hold-down period for the exceeding static-policer (on receiving vRtrIfDcpStaticHoldDownStart trap), the alarm status will change into non-conformant(Hold Down Start). When the network interface ends hold-down period for the exceeding static-policer (on receiving vRtrIfDcpStaticHoldDownEnd trap), the alarm status will be changed into non-conformant(Hold Down End). When the static-policer for the network interface has been detected as conformant for a period of the configured detection-time after having been previously detected as exceeding and completed any hold-down period (on receiving vRtrIfDcpStaticConform trap), the alarm will be cleared.		
Remedial action: Appropriate configuration changes to the distributed CPU protection policy or to the affected network interface may be required.		

(2 of 2)

Table 18-278 WaveTrackerEncoderDegrade

Alarm	Attributes	Applicable major NE releases
Name: WaveTrackerEncoderDegrade (821) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.WaveLengthTracker	Severity: major Implicitly cleared: true Default probable cause: EncoderDegrade (584)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when a device reports an encoder degradation on a wavelength tracker interface.		
Raising condition: (('Configured Alarms'anyBit'Encoder Degrade') AND ('Reported Alarms'anyBit'Encoder Degrade'))		
Clearing condition: NOT (((('Configured Alarms'anyBit'Encoder Degrade') AND ('Reported Alarms'anyBit'Encoder Degrade'))))		
Remedial action: The OT or SVAC card has detected a DSP failure and this means that the wavelength tracker encode power control is compromised. If this occurs during steady state operation, there is a high probability that the services carried by this OT or SVAC are unaffected. To clear this alarm, replace the card. The card replacement procedure is service affecting and should be conducted during a maintenance window.		

Table 18-279 WaveTrackerEncoderFailure

Alarm	Attributes	Applicable major NE releases
Name: WaveTrackerEncoderFailure (822) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.WaveLengthTracker	Severity: major Implicitly cleared: true Default probable cause: EncoderFailure (585)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when a device reports an encoder failure on a wavelength tracker interface.		
Raising condition: (('Configured Alarms'anyBit'Encoder Failure') AND ('Reported Alarms'anyBit'Encoder Failure'))		
Clearing condition: NOT (((('Configured Alarms'anyBit'Encoder Failure') AND ('Reported Alarms'anyBit'Encoder Failure'))))		
Remedial action: A cold reset, reseal, or replacement of a card is service impacting if the card is currently carrying services. If there are services currently carried over the card, it may be best to wait for a maintenance window before resetting, replacing, or resealing the card. Confirm that replacement OT or SVAC card supports the same band as the alarmed OT or SVAC card and connect all fibers to the replacement OT or SVAC card.		

Table 18-280 WaveTrackerMissingPluggableVOA

Alarm	Attributes	Applicable major NE releases
Name: WaveTrackerMissingPluggableVOA (4618) Type: communicationsAlarm (4) Package: ethernetEquipment Raised on class: ethernetEquipment.WaveLengthTracker	Severity: major Implicitly cleared: true Default probable cause: MissingPluggableVOA (1887)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when a device reports a power control high limit on a wavelength tracker interface.		
Raising condition: (('Configured Alarms'anyBit'Missing Pluggable VOA') AND ('Reported Alarms'anyBit'Missing Pluggable VOA'))		
Clearing condition: NOT (((('Configured Alarms'anyBit'Missing Pluggable VOA') AND ('Reported Alarms'anyBit'Missing Pluggable VOA'))))		
Remedial action: Informational - no corrective action required.		

Table 18-281 WaveTrackerPowerControlDegrade

Alarm	Attributes	Applicable major NE releases
Name: WaveTrackerPowerControlDegrade (823) Type: communicationsAlarm (4) Package: ethernetEquipment Raised on class: ethernetEquipment.WaveLengthTracker	Severity: major Implicitly cleared: true Default probable cause: PowerControlDegrade (586)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when a device reports a power control degradation on a wavelength tracker interface.		
Raising condition: (('Configured Alarms'anyBit'Power Control Degrade') AND ('Reported Alarms'anyBit'Power Control Degrade'))		
Clearing condition: NOT (((('Configured Alarms'anyBit'Power Control Degrade') AND ('Reported Alarms'anyBit'Power Control Degrade'))))		
Remedial action: check to see that the fiber for that card is correct. Remove the fiber from the Tx port on the transponder card. If the condition clears after 20 seconds, then this is a misfiber problem.		

Table 18-282 WaveTrackerPowerControlFailure

Alarm	Attributes	Applicable major NE releases
Name: WaveTrackerPowerControlFailure (824) Type: communicationsAlarm (4) Package: ethernetEquipment Raised on class: ethernetEquipment.WaveLengthTracker	Severity: critical Implicitly cleared: true Default probable cause: PowerControlFailure (587)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when a device reports a power control failure on a wavelength tracker interface.		
Raising condition: (('Configured Alarms'anyBit'Power Control Failure') AND ('Reported Alarms'anyBit'Power Control Failure'))		
Clearing condition: NOT (((('Configured Alarms'anyBit'Power Control Failure') AND ('Reported Alarms'anyBit'Power Control Failure'))))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: Either alarmed card has detected equipment problem or there is misfibering problem such that a light-emitting fiber has been plugged into the Tx port of aWavelength Tracker encoder-equipped transponder card.If the card is a transponder card that is equipped with aWavelength Tracker encoder, check to see that the fibering for that card is correct. Remove the fiber from the Tx port on the transponder card. If the condition clears after 20 seconds, then this is a misfibering problem.the card is an SVAC, or if there is no fibering problem on the transponder card.Disconnect all fibers on the alarmed card and Replace the card. connect all fibers to the replacement card		

(2 of 2)

Table 18-283 WaveTrackerPowerControlHighlimit

Alarm	Attributes	Applicable major NE releases
Name: WaveTrackerPowerControlHighlimit (825) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.WaveLengthTracker	Severity: major Implicitly cleared: true Default probable cause: PowerControlHighlimit (588)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when a device reports a power control high limit on a wavelength tracker interface.		
Raising condition: (('Configured Alarms'anyBit'Power Control High limit reached') AND ('Reported Alarms'anyBit'Power Control High limit reached'))		
Clearing condition: NOT (((('Configured Alarms'anyBit'Power Control High limit reached') AND ('Reported Alarms'anyBit'Power Control High limit reached'))))		
Remedial action: Informational - no corrective action required.		

Table 18-284 WaveTrackerPowerControllowlimit

Alarm	Attributes	Applicable major NE releases
Name: WaveTrackerPowerControllowlimit (826) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.WaveLengthTracker	Severity: major Implicitly cleared: true Default probable cause: PowerControllowlimit (589)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when a device reports a power control low limit on a wavelength tracker interface.		
Raising condition: (('Configured Alarms'anyBit'Power Control Low limit reached') AND ('Reported Alarms'anyBit'Power Control Low limit reached'))		
Clearing condition: NOT (((('Configured Alarms'anyBit'Power Control Low limit reached') AND ('Reported Alarms'anyBit'Power Control Low limit reached'))))		
Remedial action: Informational - no corrective action required.		

Table 18-285 WrongCpaaSoftwareVersion

Alarm	Attributes	Applicable major NE releases
Name: WrongCpaaSoftwareVersion (791) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: wrongCpaaSoftwareVersion (559)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when the 7701 CPAA software is the wrong version and requires an upgrade.		
Raising condition: (('Software Version' EQUAL '\TiMOS-B-3.0.Generic \') AND ('Chassis Type' EQUAL '7701 CPAA'))		
Clearing condition: (('Software Version' NOT EQUAL '\TiMOS-B-3.0.Generic \') AND ('Chassis Type' EQUAL '7701 CPAA'))		
Remedial action: The SW version of the CPAA must be upgraded to the version compatible with CPAM version.		

Table 18-286 XplError

Alarm	Attributes	Applicable major NE releases
Name: XplError (573) Type: hardwareAnomaly (55) Package: equipment Raised on class: equipment.DaughterCard	Severity: minor Implicitly cleared: true Default probable cause: xplError (443)	<ul style="list-style-type: none"> • 10.0 • 11.0 • 11.0.R4 • 12.0
Description: The alarm is raised when an MDA reports persistent XPL Errors.		
Raising condition: ('Number Of Notifications' NOT EQUAL '0')		
Clearing condition: ('Number Of Notifications' EQUAL '0')		
Remedial action: Informational - if the condition persists then the MDA indicated in the alarm should be replaced.		

19 — Alcatel-Lucent 9471 WMM alarms



Note — Some alarms that the 5620 SAM can raise against this device may not be listed in this chapter. Associating alarms with specific NE types is an ongoing Alcatel-Lucent effort. If the 5620 SAM raises an alarm against this device type, and the alarm is not described in this chapter, see chapter 35 for information about the alarm.

Table 19-1 ActiveAbnormalCondition

Alarm	Attributes	Applicable major NE releases
Name: ActiveAbnormalCondition (3938) Type: activeAbnormalConditionAlarm (116) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ActiveAbnormalConditionState (1520)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The alarm is an indication for abnormal condition on NE.		
Raising condition: ('abnormalCondition' EQUAL 'true')		
Clearing condition: ('abnormalCondition' EQUAL 'false')		
Remedial action: This alarm is raised when there is a abnormal state indication on NE.		

Table 19-2 AtcaCardTemperatureLowerThresholdAlarm

Alarm	Attributes	Applicable major NE releases
Name: AtcaCardTemperatureLowerThresholdAlarm (3710) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.AtcaCard	Severity: variable Implicitly cleared: true Default probable cause: AtcaCardTemperatureLow (1448)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The alarm is raised when the ATCA card temperature has decreased below any of the lower thresholds.		
Raising condition: ('Temperature Threshold State' EQUAL 'Lower Critical')		
Clearing condition: ('Temperature Threshold State' EQUAL 'Unspecified')		
Remedial action: Informational - no corrective action required.		

Table 19-3 AtcaCardTemperatureUpperThresholdAlarm

Alarm	Attributes	Applicable major NE releases
Name: AtcaCardTemperatureUpperThresholdAlarm (3711) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.AtcaCard	Severity: variable Implicitly cleared: true Default probable cause: AtcaCardTemperatureHigh (1449)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The alarm is raised when the ATCA card temperature has increased beyond any of the upper thresholds.		
Raising condition: ('Temperature Threshold State' EQUAL 'Upper Critical')		
Clearing condition: ('Temperature Threshold State' EQUAL 'Unspecified')		
Remedial action: Monitor the blade. If the condition persists, replace the blade. If the condition applies to more than one blade, verify the performance of the site cooling system.		

Table 19-4 AtcaCardVoltageLowerThresholdAlarm

Alarm	Attributes	Applicable major NE releases
Name: AtcaCardVoltageLowerThresholdAlarm (3712) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.AtcaCard	Severity: variable Implicitly cleared: true Default probable cause: AtcaCardVoltageLow (1450)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The alarm is raised when the ATCA card voltage level has decreased below any of the lower thresholds.		
Raising condition: ('Voltage Threshold State' EQUAL 'Lower Critical')		
Clearing condition: ('Voltage Threshold State' EQUAL 'Unspecified')		
Remedial action: Monitor. If the alarm persists and the blade is in the active state, it should be replaced.		

Table 19-5 AtcaCardVoltageUpperThresholdAlarm

Alarm	Attributes	Applicable major NE releases
Name: AtcaCardVoltageUpperThresholdAlarm (3713) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.AtcaCard	Severity: variable Implicitly cleared: true Default probable cause: AtcaCardVoltageHigh (1451)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The alarm is raised when the ATCA card voltage level has increased beyond any of the upper thresholds.		
Raising condition: ('Voltage Threshold State' EQUAL 'Upper Critical')		
Clearing condition: ('Voltage Threshold State' EQUAL 'Unspecified')		
Remedial action: Monitor. If the alarm persists and the blade is in the active state, it should be replaced.		

Table 19-6 AuxiliaryServerStatus

Alarm	Attributes	Applicable major NE releases
Name: AuxiliaryServerStatus (311) Type: communicationsAlarm (4) Package: server Raised on class: server.AuxiliaryServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The alarm is raised when a 5620 SAM main server cannot communicate with an auxiliary server. The alarm clears when communication is restored.		
Raising condition: ('Server Status' EQUAL 'Down')		
Clearing condition: ('Server Status' EQUAL 'Up')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the AUX and SAM servers is unreliable.		

Table 19-7 BootableConfigBackupFailed

Alarm	Attributes	Applicable major NE releases
Name: BootableConfigBackupFailed (103) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The alarm is raised when the 5620 SAM fails to back up a set of NE configuration files.		
Raising condition: ('Backup State' EQUAL 'Failure')		
Clearing condition: ('Backup State' EQUAL 'Success')		

(1 of 2)

19 – Alcatel-Lucent 9471 WMM alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: Investigation is required to resolve the following possible scenarios: insufficient disk space is available to accommodate the NE configuration files (additional SAM platform alarms will accompany this alarm); the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

(2 of 2)

Table 19-8 BootableConfigRestoreFailed

Alarm	Attributes	Applicable major NE releases
Name: BootableConfigRestoreFailed (104) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The alarm is raised when the 5620 SAM fails to restore a set of NE configuration files.		
Raising condition: ('Restore State' EQUAL 'Failure')		
Clearing condition: ('Restore State' EQUAL 'Success')		
Remedial action: Investigation is required to resolve the following possible scenarios: the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

Table 19-9 BootParametersMisconfigured

Alarm	Attributes	Applicable major NE releases
Name: BootParametersMisconfigured (35) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: persistentIndexFailure (30) Applicable probable causes: <ul style="list-style-type: none"> • persistentIndexFailure • configFileBootFailure 	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The alarm is raised when the SNMP Index Boot Status on an NE is not set to Persistent.		
Raising condition: (('isGenericNode' EQUAL 'false') AND ('State' NOT EQUAL 'Pre-provisioned') AND (('Config File Status' NOT EQUAL 'Executed Successfully') OR ('Persistent Index Status' NOT EQUAL 'Rebuild Succeeded')))		
Clearing condition: (('Config File Status' EQUAL 'Executed Successfully') AND ('Persistent Index Status' EQUAL 'Rebuild Succeeded'))		
Remedial action: Ensure that "SNMP Index Boot Status" is persistent (using cli command "show system information" on the NE). If not, unmanage the network element from SAM, ensure that "persist on" is set in the bof file, save the bof, save a config file, verify that an index file (.ndx) is saved as well, reboot the router, verify that SNMP Index Boot Status is persistent and finally remanage the router from SAM.		

Table 19-10 ClientDelegateServerStatus

Alarm	Attributes	Applicable major NE releases
Name: ClientDelegateServerStatus (731) Type: communicationsAlarm (4) Package: server Raised on class: server.ClientDelegateServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The alarm is raised when a client delegate server is unreachable.		
Raising condition: ('Server Status' EQUAL 'Down')		
Clearing condition: ('Server Status' EQUAL 'Up')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the client delegate platform and SAM servers is unreliable or the client delegate server itself is unreliable.		

Table 19-11 Connected2GUEsExceeded

Alarm	Attributes	Applicable major NE releases
Name: Connected2GUEsExceeded (5041) Type: communicationsAlarm (4) Package: Itemme Raised on class: Itemme.MmeInstance	Severity: info Implicitly cleared: false Default probable cause: ThresholdExceeded (2052)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The alarm is raised when the number of Connected 2G UEs exceeds the threshold that has been set by the operator.		
Raising condition: (('2G Connected UEs Threshold' NOT EQUAL '0L') AND ('2G Connected UEs' > '2G Connected UEs Threshold'))		
Remedial action: Informational - no corrective action required.		

Table 19-12 Connected3GUEsExceeded

Alarm	Attributes	Applicable major NE releases
Name: Connected3GUEsExceeded (5042) Type: communicationsAlarm (4) Package: Itemme Raised on class: Itemme.MmeInstance	Severity: info Implicitly cleared: false Default probable cause: ThresholdExceeded (2052)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The alarm is raised when the number of Connected 3G UEs exceeds the threshold that has been set by the operator.		
Raising condition: (('3G Connected UEs Threshold' NOT EQUAL '0L') AND ('3G Idle UEs' > '3G Connected UEs Threshold'))		
Remedial action: Informational - no corrective action required.		

Table 19-13 Connected4GUEsExceeded

Alarm	Attributes	Applicable major NE releases
Name: Connected4GUEsExceeded (5043) Type: communicationsAlarm (4) Package: Itemme Raised on class: Itemme.MmeInstance	Severity: info Implicitly cleared: false Default probable cause: ThresholdExceeded (2052)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The alarm is raised when the number of 4G Connected UEs exceeds the threshold that has been set by the operator.		
Raising condition: (('4G Connected UEs Threshold' NOT EQUAL '0L') AND ('4G Connected UEs' > '4G Connected UEs Threshold'))		
Remedial action: Informational - no corrective action required.		

Table 19-14 ContainingEquipmentAdministrativelyDown

Alarm	Attributes	Applicable major NE releases
Name: ContainingEquipmentAdministrativelyDown (466) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: minor Implicitly cleared: true Default probable cause: containingEquipmentAdministrativelyDown (330)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentAdministrativelyDown.		
Raising condition: (('Status' EQUAL 'Parent Admin Down') AND ('isTerminatable' EQUAL 'true'))		
Clearing condition: (('Status' NOT EQUAL 'Parent Admin Down') OR ('isTerminatable' NOT EQUAL 'true'))		
Remedial action: Informational - no corrective action required.		

Table 19-15 ContainingEquipmentMismatch

Alarm	Attributes	Applicable major NE releases
Name: ContainingEquipmentMismatch (464) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentMismatch (328)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentMismatch.		
Raising condition: (('Status' EQUAL 'Parent Type Mismatch') AND ('isTerminatable' EQUAL 'true'))		
Clearing condition: (('Status' NOT EQUAL 'Parent Type Mismatch') OR ('isTerminatable' NOT EQUAL 'true'))		
Remedial action: A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

Table 19-16 ContainingEquipmentOperationallyDown

Alarm	Attributes	Applicable major NE releases
Name: ContainingEquipmentOperationallyDown (465) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentDown (329)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentOperationallyDown.		
Raising condition: (('Status' EQUAL 'Parent Oper Down') AND ('isTerminatable' EQUAL 'true'))		
Clearing condition: (('Status' NOT EQUAL 'Parent Oper Down') OR ('isTerminatable' NOT EQUAL 'true'))		
Remedial action: The operational state of the equipment element indicated in the alarm is down. This may be due to the element's administrative state or it may indicate that the element has failed.		

Table 19-17 CorruptImageFile

Alarm	Attributes	Applicable major NE releases
Name: CorruptImageFile (171) Type: configurationAlarm (11) Package: mediation Raised on class: mediation.AbstractSoftwareFolderDescriptor	Severity: critical Implicitly cleared: true Default probable cause: invalidOrCorruptImageFile (134)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The alarm is raised when one or more files in the 5620 SAM software image specified for a device software upgrade is invalid, corrupt or absent. The 5620 SAM validates a device software file set before it imports the file set and distributes it to an NE. Ensure that the file set downloads properly to the NE and is not tampered with before you re-attempt the upgrade. The alarm clears when a valid file set is on the NE and the 5620 SAM activates the software image in the file set.		
Raising condition: ('isImageValid' EQUAL 'false')		
Clearing condition: ('isImageValid' EQUAL 'true')		
Remedial action: The existing SW image in the SAM database should be replaced with an image that is known to be complete and valid.		

Table 19-18 criticalErrorAlarm

Alarm	Attributes	Applicable major NE releases
Name: criticalErrorAlarm (3681) Type: communicationsAlarm (4) Package: Itemme Raised on class: Itemme.MmeInstance	Severity: critical Implicitly cleared: false Default probable cause: MmeInternalProcessingError (1421)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: This alarm is raised when receiving critical-error message from the network element's NetConf interface. The operator must connect to the network element using its CLI interface and verify the consistency of the network element's database and configuration and then do a full node resync once the manual intervention has been completed.		

(1 of 2)

19 – Alcatel-Lucent 9471 WMM alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: The operator must connect to the network element (MME) using its CLI interface and verify the consistency of the network element's database and configuration and then do a full node resync once the manual intervention has been completed.		

(2 of 2)

Table 19-19 Deregistered4GUEsExceeded

Alarm	Attributes	Applicable major NE releases
Name: Deregistered4GUEsExceeded (5044) Type: communicationsAlarm (4) Package: Itemme Raised on class: Itemme.MmeInstance	Severity: info Implicitly cleared: false Default probable cause: ThresholdExceeded (2052)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The alarm is raised when the number of 4G Deregistered UEs exceeds the threshold that has been set by the operator.		
Raising condition: (('4G Deregistered UEs Threshold' NOT EQUAL '0L') AND ('4G Deregistered UEs' > '4G Deregistered UEs Threshold'))		
Remedial action: Informational - no corrective action required.		

Table 19-20 downgradedCardAlarm

Alarm	Attributes	Applicable major NE releases
Name: downgradedCardAlarm (256) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: downgradedCard (195)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The alarm is raised when an IOM is not upgraded or reset after a device software upgrade of both CPMs. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
Raising condition: ('operationalState' EQUAL 'Downgrade')		
Clearing condition: ('operationalState' EQUAL 'Up')		
Remedial action: Informational - no corrective action required.		

Table 19-21 EPSPeerLocked

Alarm	Attributes	Applicable major NE releases
Name: EPSPeerLocked (3747) Type: communicationsAlarm (4) Package: lte Raised on class: lte.AbstractMmeEpsPeer	Severity: major Implicitly cleared: false Default probable cause: EPSPeerLocked (1481)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The alarm is raised when an EPS Peer link goes into a locked state. The alarm clears when the EPS Peer Link changes to an unlocked state.		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Raising condition: (('Administrative State' EQUAL 'Locked'))		
Clearing condition: (('Administrative State' EQUAL 'Unlocked'))		
Remedial action: Informational: The EPS Peer has been manually locked.		

(2 of 2)

Table 19-22 EquipmentAdministrativelyDown

Alarm	Attributes	Applicable major NE releases
Name: EquipmentAdministrativelyDown (455) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: minor Implicitly cleared: true Default probable cause: equipmentAdministrativelyDown (326)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentAdministrativelyDown.		
Raising condition: ('compositeEquipmentState' EQUAL 'Admin Down')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Admin Down')		
Remedial action: Informational - no corrective action required.		

Table 19-23 EquipmentDegraded

Alarm	Attributes	Applicable major NE releases
Name: EquipmentDegraded (604) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: minor Implicitly cleared: true Default probable cause: singleFanFailure (450)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The alarm is raised when a single fan fails. The chassis attempts to continue operating within the normal temperature range using only the remaining fans.		
Raising condition: ('Device State' EQUAL 'MinorFailure')		
Clearing condition: ('Device State' NOT EQUAL 'MinorFailure')		
Remedial action: The failed fan unit should be replaced.		

Table 19-24 EquipmentDown

Alarm	Attributes	Applicable major NE releases
Name: EquipmentDown (10) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: inoperableEquipment (8)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentOperationallyDown.		
Raising condition: ('compositeEquipmentState' EQUAL 'Oper Down')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Oper Down')		
Remedial action: This alarm indicates that a card in the NE has failed. The card must be replaced.		

Table 19-25 EquipmentFailure

Alarm	Attributes	Applicable major NE releases
Name: EquipmentFailure (145) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.ReplaceableUnit	Severity: critical Implicitly cleared: true Default probable cause: cardFailure (123)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The alarm is raised when a control processor or power-supply tray reports a failure. When the object type is ControlProcessor, a CPM may be unable to boot. When the object type is Power Supply Tray and the alarm is raised during device discovery, a power-supply tray may be out of service. When the object type is a Power Supply Tray and the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
Raising condition: ('operationalState' EQUAL 'Failed')		
Clearing condition: ('operationalState' NOT EQUAL 'Failed')		
Remedial action: If the alarm indicates that the CPM card has a fault, remove the card and reset it. If this does not clear the alarm then please contact Alcatel-Lucent support for assistance. If the alarm indicates that the Power Supply tray is out of service ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 19-26 EquipmentInTest

Alarm	Attributes	Applicable major NE releases
Name: EquipmentInTest (11) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: warning Implicitly cleared: true Default probable cause: equipmentInTest (9)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The alarm is raised when equipment enters a diagnostic state.		
Raising condition: ('compositeEquipmentState' EQUAL 'In Test')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'In Test')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: Informational - no corrective action required.		

(2 of 2)

Table 19-27 EquipmentMismatch

Alarm	Attributes	Applicable major NE releases
Name: EquipmentMismatch (9) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: equipmentTypeMismatch (7)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMismatch.		
Raising condition: ('compositeEquipmentState' EQUAL 'Type Mismatch')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Type Mismatch')		
Remedial action: A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

Table 19-28 EquipmentRemoved

Alarm	Attributes	Applicable major NE releases
Name: EquipmentRemoved (8) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: replaceableEquipmentRemoved (6)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMissing.		
Raising condition: (('compositeEquipmentState' EQUAL 'Removed') AND ('isEquipmentInserted' EQUAL 'true'))		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Removed')		
Remedial action: Informational - this alarm is raised when a card is removed.		

Table 19-29 FanFailure

Alarm	Attributes	Applicable major NE releases
Name: FanFailure (624) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: fanFailure (116)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The alarm is raised when the associated fan is not operationally Up.		

(1 of 2)

19 – Alcatel-Lucent 9471 WMM alarms

Alarm	Attributes	Applicable major NE releases
Raising condition: (('Device State' EQUAL 'Failed') OR ('Device State' EQUAL 'Unknown') OR ('Device State' EQUAL 'OutOfService'))		
Clearing condition: ('Device State' EQUAL 'OK')		
Remedial action: Remove and reset the fan unit. If this does not resolve the problem replace the fan.		

(2 of 2)

Table 19-30 FanTrayRemoved

Alarm	Attributes	Applicable major NE releases
Name: FanTrayRemoved (569) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: FanTrayRemoved (438)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The alarm is raised when the deviceState attribute has a value of deviceNotEquipped.		
Raising condition: ('Device State' EQUAL 'Not Equipped')		
Clearing condition: ('Device State' NOT EQUAL 'Not Equipped')		
Remedial action: Informational - a fan tray has been removed from the NE.		

Table 19-31 FrameSizeProblem (netw)

Alarm	Attributes	Applicable major NE releases
Name: FrameSizeProblem (37) Type: configurationAlarm (11) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: frameSizeProblem (33)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The alarm is raised when a provisioned MTU size value is greater than the supported MTU size value.		
Raising condition: (('mtuMismatch' EQUAL 'true') AND ('portId' NOT EQUAL '0L'))		
Clearing condition: (('mtuMismatch' EQUAL 'false') OR ('portId' EQUAL '0L'))		
Remedial action: A configuration error has been made which must be corrected. The MTU value must be changed such that is less than or equal to the supported MTU size value.		

Table 19-32 GaPeerDown

Alarm	Attributes	Applicable major NE releases
Name: GaPeerDown (3303) Type: EpcAlarm (59) Package: Iteggnsn Raised on class: Iteggnsn.GaPeer	Severity: major Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The alarm is raised when the path management state of a Ga peer changes to a state other than Up.		
Raising condition: ('Path Management State' NOT EQUAL 'Active')		
Clearing condition: ('Path Management State' EQUAL 'Active')		
Remedial action: A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

Table 19-33 Idle2GUEsExceeded

Alarm	Attributes	Applicable major NE releases
Name: Idle2GUEsExceeded (5045) Type: communicationsAlarm (4) Package: Itemme Raised on class: Itemme.MmeInstance	Severity: info Implicitly cleared: false Default probable cause: ThresholdExceeded (2052)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The alarm is raised when the number of Idle 2G UEs exceeds the threshold that has been set by the operator.		
Raising condition: (('2G Idle UEs Threshold' NOT EQUAL '0L') AND ('2G Idle UEs' > '2G Idle UEs Threshold'))		
Remedial action: Informational - no corrective action required.		

Table 19-34 Idle3GUEsExceeded

Alarm	Attributes	Applicable major NE releases
Name: Idle3GUEsExceeded (5046) Type: communicationsAlarm (4) Package: Itemme Raised on class: Itemme.MmeInstance	Severity: info Implicitly cleared: false Default probable cause: ThresholdExceeded (2052)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The alarm is raised when the number of Idle 3G UEs exceeds the threshold that has been set by the operator.		
Raising condition: (('3G Idle UEs Threshold' NOT EQUAL '0L') AND ('3G Idle UEs' > '3G Idle UEs Threshold'))		
Remedial action: Informational - no corrective action required.		

Table 19-35 Idle4GUEsExceeded

Alarm	Attributes	Applicable major NE releases
Name: Idle4GUEsExceeded (5047) Type: communicationsAlarm (4) Package: Itemme Raised on class: Itemme.MmeInstance	Severity: info Implicitly cleared: false Default probable cause: ThresholdExceeded (2052)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The alarm is raised when the number of 4G Idle UEs exceeds the threshold that has been set by the operator.		
Raising condition: (('4G Idle UEs Threshold' NOT EQUAL '0L') AND ('4G Idle UEs' > '4G Idle UEs Threshold'))		
Remedial action: Informational - no corrective action required.		

Table 19-36 IncompleteConfiguration

Alarm	Attributes	Applicable major NE releases
Name: IncompleteConfiguration (1942) Type: operationalViolation (93) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: incompleteConfig (225)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The alarm is raised when a pre-provisioned NE has no objects configured beneath it.		
Raising condition: (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' EQUAL '\'))		
Clearing condition: (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' NOT EQUAL '\'))		
Remedial action: A configuration error has been made which must be corrected. The configuration of the pre-provisioned NE is incomplete. A work order was not associated with the pre-provisioned NE and as a consequence the attempt to auto-configure the NE failed.		

Table 19-37 LicensedLimitExceeded

Alarm	Attributes	Applicable major NE releases
Name: LicensedLimitExceeded (127) Type: licensingAlarm (23) Package: security Raised on class: security.ProductLicense	Severity: critical Implicitly cleared: true Default probable cause: licensedLimitExceeded (106)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The alarm is raised when the license items in the network exceeds 100 percent of the license capacity.		
Raising condition: ('Exceeded' EQUAL 'true')		
Clearing condition: ('Exceeded' NOT EQUAL 'true')		
Remedial action: Informational - The number of SAM licenses purchased and available on the SAM server is insufficient as compared to the number of NEs/MDA/Cells under management in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

Table 19-38 LinkDown

Alarm	Attributes	Applicable major NE releases
Name: LinkDown (12) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: portLinkProblem (10)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The alarm is raised when a port has no associated physical link or remote end point is operationally down.		
Raising condition: (('compositeEquipmentState' EQUAL 'Link Down') OR ('compositeEquipmentState' EQUAL 'Oper Down'))		
Clearing condition: (('compositeEquipmentState' NOT EQUAL 'Link Down') AND ('compositeEquipmentState' NOT EQUAL 'Oper Down'))		
Remedial action: Please make sure that port has physical link and remote end point is operationally up.		

Table 19-39 LowTemperatureDetected

Alarm	Attributes	Applicable major NE releases
Name: LowTemperatureDetected (1127) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOvercooled (838)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The alarm is raised when the chassis temperature falls below the minimum threshold.		
Raising condition: ('Low Temperature State' EQUAL 'Low')		
Clearing condition: ('Low Temperature State' NOT EQUAL 'Low')		
Remedial action: The NE has detected internal temperatures which are abnormally low. This may happen when the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 19-40 maintenanceStateAlarm

Alarm	Attributes	Applicable major NE releases
Name: maintenanceStateAlarm (4812) Type: operationalViolation (93) Package: Itemme Raised on class: Itemme.MmeInstance	Severity: info Implicitly cleared: true Default probable cause: WmmMaintenanceState (1900)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: This alarm is raised when the 9471 WMM is put into maintenance state as part of a software upgrade. While the 9471 WMM is in maintenance mode, 5620 SAM will not process any notifications other than alarms and PM file notifications. In addition, 5620 SAM will not trigger full node resyncs when it receives a Cold Start trap, when it detects that the 9471 WMM has rebooted, or when it detects that the software version of the 9471 WMM has changed. Once the 9471 WMM goes out of maintenance state, 5620 SAM will trigger a full node resync.		
Raising condition: ('Maintenance State' EQUAL 'True')		
Clearing condition: ('Maintenance State' EQUAL 'False')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: Informational - no corrective action required.		

(2 of 2)

Table 19-41 MmeATCA_AggregatePowerSensor

Alarm	Attributes	Applicable major NE releases
Name: MmeATCA_AggregatePowerSensor (850) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: The aggregate power sensor alarm provides a summary status of all power related conditions adversely affecting a resource. When this alarm occurs, in most cases, there will be another power related alarm that provides more details about the exact resource power sensor that is reporting the condition. From the MI GUI, alarms on a resource may be retrieved by selecting the managed object for that resource and then selecting the right-click operation to display related alarms.		
Remedial action: Investigate all other temperature and power related alarms on the resource and follow those alarms fault recovery procedures. Once all of these related alarms are cleared, this alarm will clear.		

Table 19-42 MmeATCA_AggregateTemperatureSensor

Alarm	Attributes	Applicable major NE releases
Name: MmeATCA_AggregateTemperatureSensor (851) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: The aggregate temperatures sensor alarm provides a summary status of all temperature related conditions adversely affecting a resource. When this alarm occurs, in most cases, there will be another temperature related alarm that provides more details about the exact resource temperature sensor that is reporting the condition. From the MI GUI, alarms on a resource may be retrieved by selecting the managed object for that resource and then selecting the right-click operation to display related alarms.		
Remedial action: Investigate all other temperature and power related alarms on the resource and follow those alarms fault recovery procedures. Once all of these related alarms are cleared, this alarm will clear.		

Table 19-43 MmeATCA_BoardPower

Alarm	Attributes	Applicable major NE releases
Name: MmeATCA_BoardPower (852) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Description: A board is either in the inactive or not present state. This means that the board has been powered down.		
Remedial action: Verify that the blade is powered on. This can be performed remotely using CLI on the shelf manager or locally by observing specific LEDs and their status. Verify that the blade is seated correctly in the chassis. Try to re-seat the blade in the chassis. Replace the blade if necessary, refer to FRU procedure. Contact Alcatel-Lucent Customer Support.		

(2 of 2)

Table 19-44 MmeATCA_CPLDState

Alarm	Attributes	Applicable major NE releases
Name: MmeATCA_CPLDState (853) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: This alarm indicates a change in the redundancy status of the shelf management cards. The specific problem of the alarm contains the specific redundancy state of the shelf management card.		
Remedial action: Verify that the shelf management card is inserted properly. If the shelf management card is inserted, reseal the shelf management card. If reseating the shelf management card does not correct the problem, replace the shelf management card.		

Table 19-45 MmeATCA_DS75Temperature

Alarm	Attributes	Applicable major NE releases
Name: MmeATCA_DS75Temperature (854) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: This alarm indicates that the AMC (Advanced Mezzanine Card) temperature monitoring sensor has detected a threshold being crossed.		
Remedial action: There is a condition in which this alarm, with minor severity, is being erroneously reported by the hardware, so ignore any minor alarms pertaining to this sensor. Check if there are other alarms that could explain the rise in temperature, especially fan alarms. If there are, troubleshoot these alarms first. Check that the room air conditioning system is operating properly. Check that the fan units of the suspect chassis are operating correctly. If they are not, replace the fan units according to the replacement procedure. If fans are operating properly and if there is no other alarm, replace faulty FRU according to the appropriate replacement procedure. If the problem persists, contact Alcatel-Lucent Customer Support.		

Table 19-46 MmeATCA_ExhaustTemp

Alarm	Attributes	Applicable major NE releases
Name: MmeATCA_ExhaustTemp (855) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: This alarm indicates that the ASS7BF AMC (Advanced Mezzanine Card) temperature monitoring sensor has detected a threshold being crossed.		
Remedial action: There is a condition in which this alarm, with minor severity, is being erroneously reported by the hardware, so ignore any minor alarms pertaining to this sensor. Check if there are other alarms that could explain the rise in temperature, especially fan alarms. If there are, troubleshoot these alarms first. Check that the room air conditioning system is operating properly. Check that the fan units of the suspect chassis are operating correctly. If they are not, replace the fan units according to the replacement procedure. If fans are operating properly and if there is no other alarm, replace faulty FRU according to the appropriate replacement procedure. If the problem persists, contact Alcatel-Lucent Customer Support.		

Table 19-47 MmeATCA_FanSpeed

Alarm	Attributes	Applicable major NE releases
Name: MmeATCA_FanSpeed (856) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: This alarm indicates that a fan's speed has croseed a threshold.		
Remedial action: Replace the faulty fan unit according to the appropriate replacement procedure.		

Table 19-48 MmeATCA_FanTrayPresence

Alarm	Attributes	Applicable major NE releases
Name: MmeATCA_FanTrayPresence (857) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: This alarm indicates that one of the fan trays is not present in the chassis.		
Remedial action: Insert the fan tray.		

Table 19-49 MmeATCA_FanTraysFRU

Alarm	Attributes	Applicable major NE releases
Name: MmeATCA_FanTraysFRU (858) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: This alarm indicates a problem with the fan trays.		
Remedial action: Verify that all Fan Trays are properly seated in the chassis. Verify that the type of Fan Trays are compatible. Contact Alcatel-Lucent Customer Support if incompatible. Verify that the cooling parameters are set correctly. Contact Alcatel-Lucent Customer Support to adjust parameters.		

Table 19-50 MmeATCA_FilterPresence

Alarm	Attributes	Applicable major NE releases
Name: MmeATCA_FilterPresence (859) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: A filter is not present in the chassis. The additional text field of the alarm will indicate which filter is not present.		
Remedial action: Insert the filter that is not present.		

Table 19-51 MmeATCA_FPGATemp

Alarm	Attributes	Applicable major NE releases
Name: MmeATCA_FPGATemp (2840) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: This alarm indicates that the DCI AMC (Advanced Mezzanine Card) FPGA Temp monitoring sensor has detected a threshold being crossed. This indicates there is a problem with the die temperature of the DCI FPGA.		
Remedial action: Check if there are other alarms that could explain the rise in temperature, especially fan alarms. If there are, troubleshoot these alarms first. Check that the room air conditioning system is operating properly. Check that the fan units of the suspect chassis are operating correctly. If they are not, replace the fan units according to the replacement procedure. If fans are operating properly and if there is no other alarm, replace faulty FRU according to the appropriate replacement procedure. If the problem persists, contact Alcatel-Lucent Customer Support.		

Table 19-52 MmeATCA_I2CLocalBus

Alarm	Attributes	Applicable major NE releases
Name: MmeATCA_I2CLocalBus (860) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: This alarm reports an abnormal condition in the hardware state of the I2C Local Bus.		
Remedial action: If the condition does not clear, contact Alcatel-Lucent Customer Support		

Table 19-53 MmeATCA_InletTemp

Alarm	Attributes	Applicable major NE releases
Name: MmeATCA_InletTemp (862) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: This alarm indicates that the AMC (Advanced Mezzanine Card) Inlet Temp monitoring sensor at the upper edge of the AMC has detected a threshold being crossed.		
Remedial action: Check if there are other alarms that could explain the rise in temperature, especially fan alarms. If there are, troubleshoot these alarms first. Check that the room air conditioning system is operating properly. Check that the fan units of the suspect chassis are operating correctly. If they are not, replace the fan units according to the replacement procedure. If fans are operating properly and if there is no other alarm, replace faulty FRU according to the appropriate replacement procedure. If the problem persists, contact Alcatel-Lucent Customer Support.		

Table 19-54 MmeATCA_IPMBLink

Alarm	Attributes	Applicable major NE releases
Name: MmeATCA_IPMBLink (861) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: This alarm indicates a problem with the IPMB(Intelligent Platform Management Bus) Link between the shelf manager and the board. This alarm may be reported by the shelf manager for the portion of the link that it monitors, or by the board for the portion of the link it monitors.		
Remedial action: If the Link has been manually disabled, try to enable the link from the active shelf manager card with the command, 'clia setipmbstate <IPMB address> [AB] 1'. If the board is reporting a link failure, replace the board. If the shelf is reporting a link failure, replace the shelf management card. If replacing the board and shelf management card do not solve the problem, replace the shelf. Contact Alcatel-Lucent Customer Support.		

Table 19-55 MmeATCA_LM75Temperature

Alarm	Attributes	Applicable major NE releases
Name: MmeATCA_LM75Temperature (863) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: This alarm indicates a temperature problem with a board.		
Remedial action: There is a condition in which this alarm, with minor severity, is being erroneously reported by the hardware, so ignore any minor alarms pertaining to this sensor. Check if there are other alarms that could explain the rise in temperature, especially fan alarms. If there are, troubleshoot these alarms first. Check that the room air conditioning system is operating properly. Check that the fan units of the suspect chassis are operating correctly. If they are not, replace the fan units according to the replacement procedure. If fans are operating properly and if there is no other alarm, replace faulty FRU according to the appropriate replacement procedure. If the problem persists, contact Alcatel-Lucent Customer Support.		

Table 19-56 MmeATCA_LM83Temperature

Alarm	Attributes	Applicable major NE releases
Name: MmeATCA_LM83Temperature (864) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: This alarm indicates a temperature problem with a board. There are 5 LM83 sensors(LM83_1 Local,LM83_1 DBG,LM83_1 BASE,LM83_1 LSI,LM83_2 Local) that monitor the temperature of the board.		
Remedial action: There is a condition in which this alarm, with minor severity, is being erroneously reported by the hardware, so ignore any minor alarms pertaining to this sensor. Check if there are other alarms that could explain the rise in temperature, especially fan alarms. If there are, troubleshoot these alarms first. Check that the room air conditioning system is operating properly. Check that the fan units of the suspect chassis are operating correctly. If they are not, replace the fan units according to the replacement procedure. If fans are operating properly and if there is no other alarm, replace faulty FRU according to the appropriate replacement procedure. If the problem persists, contact Alcatel-Lucent Customer Support.		

Table 19-57 MmeATCA_LMeUC75Temperature

Alarm	Attributes	Applicable major NE releases
Name: MmeATCA_LMeUC75Temperature (866) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: This alarm indicates that the ASS7NB AMC (Advanced Mezzanine Card) temperature monitoring sensor has detected a threshold being crossed.		

(1 of 2)

19 – Alcatel-Lucent 9471 WMM alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: There is a condition in which this alarm, with minor severity, is being erroneously reported by the hardware, so ignore any minor alarms pertaining to this sensor. Check if there are other alarms that could explain the rise in temperature, especially fan alarms. If there are, troubleshoot these alarms first. Check that the room air conditioning system is operating properly. Check that the fan units of the suspect chassis are operating correctly. If they are not, replace the fan units according to the replacement procedure. If fans are operating properly and if there is no other alarm, replace faulty FRU according to the appropriate replacement procedure. If the problem persists, contact Alcatel-Lucent Customer Support.		

(2 of 2)

Table 19-58 MmeATCA_LMUC75TopRig

Alarm	Attributes	Applicable major NE releases
Name: MmeATCA_LMUC75TopRig (865) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: This alarm indicates that the ASS7BN AMC (Advanced Mezzanine Card) temperature monitoring sensor has detected a threshold being crossed.		
Remedial action: Check if there are other alarms that could explain the rise in temperature, especially fan alarms. If there are, troubleshoot these alarms first. Check that the room air conditioning system is operating properly. Check that the fan units of the suspect chassis are operating correctly. If they are not, replace the fan units according to the replacement procedure. If fans are operating properly and if there is no other alarm, replace faulty FRU according to the appropriate replacement procedure. If the problem persists, contact Alcatel-Lucent Customer Support.		

Table 19-59 MmeATCA_LocalTemperature

Alarm	Attributes	Applicable major NE releases
Name: MmeATCA_LocalTemperature (867) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: This alarm indicates a temperature problem with a board.		
Remedial action: Check if there are other alarms that could explain the rise in temperature, especially fan alarms. If there are, troubleshoot these alarms first. Check that the room air conditioning system is operating properly. Check that the fan units of the suspect chassis are operating correctly. If they are not, replace the fan units according to the replacement procedure. If fans are operating properly and if there is no other alarm, replace faulty FRU according to the appropriate replacement procedure. If the problem persists, contact Alcatel-Lucent Customer Support.		

Table 19-60 MmeATCA_m48vSensor

Alarm	Attributes	Applicable major NE releases
Name: MmeATCA_m48vSensor (871) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: This alarm indicates a problem with the -48V shelf power supply, A and/or B. The backup shelf manager provides redundant signals concerning the -48V power level. The backup shelf manager reports these alarms as 'Remote', while the active shelf manager reports these alarms as 'Local'. So, if both shelf managers detect the power problem, 2 alarms will be generated; one remote and one local.		
Remedial action: Check the top rack power distribution unit's LED and circuit breakers. Replace the faulty power supply according to the appropriate replacement procedures. If the problem persists, contact Alcatel-Lucent Customer Support.		

Table 19-61 MmeATCA_MMCTemp

Alarm	Attributes	Applicable major NE releases
Name: MmeATCA_MMCTemp (2841) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: This alarm indicates that the DCI AMC (Advanced Mezzanine Card) MMC Temp monitoring sensor has detected a threshold being crossed. This indicates there is a problem with the die temperature of the MMC FPGA.		
Remedial action: Check if there are other alarms that could explain the rise in temperature, especially fan alarms. If there are, troubleshoot these alarms first. Check that the room air conditioning system is operating properly. Check that the fan units of the suspect chassis are operating correctly. If they are not, replace the fan units according to the replacement procedure. If fans are operating properly and if there is no other alarm, replace faulty FRU according to the appropriate replacement procedure. If the problem persists, contact Alcatel-Lucent Customer Support.		

Table 19-62 MmeATCA_OcteonTemperature

Alarm	Attributes	Applicable major NE releases
Name: MmeATCA_OcteonTemperature (868) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: This alarm indicates a temperature problem with the Octeon module.		
Remedial action: Check if there are other alarms that could explain the rise in temperature, especially fan alarms. If there are, troubleshoot these alarms first. Check that the room air conditioning system is operating properly. Check that the fan units of the suspect chassis are operating correctly. If they are not, replace the fan units according to the replacement procedure. If fans are operating properly and if there is no other alarm, replace faulty FRU according to the appropriate replacement procedure. If the problem persists, contact Alcatel-Lucent Customer Support.		

Table 19-63 MmeATCA_OutletTemp

Alarm	Attributes	Applicable major NE releases
Name: MmeATCA_OutletTemp (2842) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: This alarm indicates that the AMC (Advanced Mezzanine Card) Outlet Temp monitoring sensor at the lower edge of the AMC has detected a threshold being crossed.		
Remedial action: Check if there are other alarms that could explain the rise in temperature, especially fan alarms. If there are, troubleshoot these alarms first. Check that the room air conditioning system is operating properly. Check that the fan units of the suspect chassis are operating correctly. If they are not, replace the fan units according to the replacement procedure. If fans are operating properly and if there is no other alarm, replace faulty FRU according to the appropriate replacement procedure. If the problem persists, contact Alcatel-Lucent Customer Support.		

Table 19-64 MmeATCA_PayloadCurrent

Alarm	Attributes	Applicable major NE releases
Name: MmeATCA_PayloadCurrent (2843) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: This alarm indicates a current problem on a board, resulting from the Payload Amps sensor threshold being crossed.		
Remedial action: Check if other cards in the chassis have a similar alarm. If this is the case, there may be a problem with the power supply unit(s). Replace the faulty card according to the appropriate replacement procedure. Replace the interface unit located behind the faulty card according to the appropriate replacement procedure. If the problem persists, contact Alcatel-Lucent Customer Support.		

Table 19-65 MmeATCA_PayloadVoltage

Alarm	Attributes	Applicable major NE releases
Name: MmeATCA_PayloadVoltage (869) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: This alarm indicates a voltage problem with a board.		
Remedial action: Check if all of the cards in the chassis have the same alarm. If this is the case, replace the power supply unit(s) according to the appropriate replacement procedure. Replace the faulty card according to the appropriate replacement procedure. Replace the interface unit located behind the faulty card according to the appropriate replacement procedure. If the problem persists, contact Alcatel-Lucent Customer Support.		

Table 19-66 MmeATCA_PowerOk

Alarm	Attributes	Applicable major NE releases
Name: MmeATCA_PowerOk (3875) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: This alarm indicates state of power ok signal from ISPPAC.		
Remedial action: Verify that the blade is powered on. Verify that the blade is seated correctly in the chassis. Try to re-seat the blade in the chassis. Replace the blade if necessary, refer to FRU procedure. Contact Alcatel-Lucent Customer Support.		

Table 19-67 MmeATCA_ShelfFRUs

Alarm	Attributes	Applicable major NE releases
Name: MmeATCA_ShelfFRUs (870) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: This alarm indicates a problem with the shelf FRU information stored in the EEPROMs (located on the NFATCAV2 back panel and accessed via the I2C local bus). The EEPROMS contents are validated when a shelf manager is initialized as the active shelf manager, and periodically by the active shelf manager.		
Remedial action: A firmware upgrade may be needed, contact Alcatel-Lucent Customer Support.		

Table 19-68 MmeATCA_UnexpectedDeact

Alarm	Attributes	Applicable major NE releases
Name: MmeATCA_UnexpectedDeact (3876) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: This sensor reports unexpected deactivation (transition to INACTIVE state) origin.		
Remedial action: Look at sensor alarms to see why the card was deactivated and resolve underlying problems.		

Table 19-69 MmeLSS_applySheddingFactor

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_applySheddingFactor (875) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: Indicates that the Rf Diameter (Agent) connection has been applied shedding factor. The shedding factor is to reduce the workload of this Rf diameter connection.		
Remedial action: In general, no action is needed for this info alarm because Rf interface will balance the workload of Rf diameter connections via shedding factor. Contact Customer Support if this alarm is reported frequently.		

Table 19-70 MmeLSS_badServerAddress

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_badServerAddress (2845) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: Server addresses from application don't match with configured addresses		
Remedial action: If the diameter profile is configured as multiple destination list, then add mismatched CCF FQDN in diameter profile or change the CCF FQDN for the UE in HSS as one in diameter profile. If the diameter profile is configured as geographic redundancy, then change the CCF FQDN for the UE in HSS as one in diameter profile. If the problem persists, contact Alcatel-Lucent Customer Support.		

Table 19-71 MmeLSS_cardConnectionLost

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_cardConnectionLost (876) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: REM detected a problem with its connectivity to a service member under its control, or a service member has missed a heartbeat to REM.		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: Verify the status on the service on the MI GUI. It should be 'Out of Service'. If it is active, or standby hot, with its mate being active, or manually out-of-service (unlocked/disabled/idle) then the alarm condition is not valid. If communication to the service does not come back within several minutes (e.g. the cardConnectionLost alarm does not clear), it may be necessary to connect to the card's console-port to get the status of the service. Consult card specific documentation about the console commands to obtain the card service state. If you are not successful in connecting to the console, this could be due to either a networking problem, or a fault in the card. If the card is inaccessible via console, it can be recovered via the reset button, or by power cycling. Continued trouble may mean the card is having some hardware difficulty; and Alcatel-Lucent Customer Support should be contacted to determine the next step(s). Try to ping the internal fixed service ip address of the service member from the host which is running the active CNFG service. If pinging the service member from the CNFG host succeeds, then go to Step 4; else go to Step 5. Determine if REM has a connection to the service member via the use of the netstat command on the host which has the active CNFG service. The following command will give a list of IP addresses that REM has connected to via well-known port 20000: netstat -a grep 20000. Look for an 'Established' connection to the service's IP address in the output of the above command. If the service's IP address is not found in the output and this is the first time you have visited this step, then go to Step 6. If the service's IP address is not found in the output and this is the second time you have visited this step, then go to Step 7. Check the IP connections from the host that has the active CNFG service member to the switches and the routers. Check the connection to the card. If connection problems are found, they must be fixed. One can also verify that the appropriate service IP addresses have been plumbed and the appropriate service image has been downloaded to the card. Try switching the CNFG service to its currently standby hot member via MI GUI. Stop and start the CNFG service via the stopCNFG and startCNFG commands, respectively. This will stop the REM process and restart it, among others within the CNFG service. Once the CNFG service is active, the virtual cluster can be switched back. Note that error recovery and provisioning ability will be affected if the CNFG service is not operational. Restart/reload the service. This may be done via the MI GUI.		

(2 of 2)

Table 19-72 MmELSS_cardError

Alarm	Attributes	Applicable major NE releases
Name: MmELSS_cardError (877) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: This alarm indicates that a hardware diagnostic failure has been detected. Depending on the criticality of the checks, alarms with various severities are generated.		
Remedial action: For the Critical Alarm, the card should be taken OOS and replaced. For the Major Alarm, the card should be taken OOS and rebooted to see if the alarm clears. If it does not clear or there are other reports from the card (such as Asserts) reporting problems, the card should be left OOS and Alcatel-Lucent Customer Support should be contacted. For the Minor Alarm, contact Alcatel-Lucent Customer Support for the correction procedure.		

Table 19-73 MmELSS_cardStateChange

Alarm	Attributes	Applicable major NE releases
Name: MmELSS_cardStateChange (878) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: This alarm indicates that the state of a service or service member has changed. States are assigned to the two individual service members, as well as the service itself. The state change can be the result of a maintenance action or of a fault.		
Remedial action: Informational - no corrective action required.		

Table 19-74 MmeLSS_cpiAlrmCritical

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_cpiAlrmCritical (879) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: The raised alarm LSS_cpiAlrmCritical indicates the value of the VS.alrmCritical measurement monitored by the Critical Alarms Count CPI exceeded a threshold in the last 15 minute interval.		
Remedial action: Using the Maintenance Interface, examine the set of critical alarms or any other alarms recently raised and address them. This alarm will clear automatically if the rate of critical alarm generation drops below the threshold.		

Table 19-75 MmeLSS_cpiAlrmMajor

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_cpiAlrmMajor (880) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: The raised alarm LSS_cpiAlrmMajor indicates the value of the VS.alrmMajor measurement monitored by the Major Alarms Count CPI exceeded a threshold in the last 15 minute interval.		
Remedial action: Using the Maintenance Interface, examine the set of major alarms or any other alarms recently raised and address them. This alarm will clear automatically if the rate of major alarm generation drops below the threshold.		

Table 19-76 MmeLSS_cpiAlrmMinor

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_cpiAlrmMinor (881) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: The raised alarm LSS_cpiAlrmMinor indicates the value of the VS.alrmMinor measurement monitored by the Minor Alarms Count CPI exceeded a threshold in the last 15 minute interval.		
Remedial action: Using the Maintenance Interface, examine the set of minor alarms or any other alarms recently raised and address them. This alarm will clear automatically if the rate of minor alarm generation drops below the threshold.		

Table 19-77 MmELSS_cpiAlrmWarning

Alarm	Attributes	Applicable major NE releases
Name: MmELSS_cpiAlrmWarning (882) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: The raised alarm LSS_cpiAlrmWarning indicates the value of the VS.alrmWarning measurement monitored by the Warning Alarms Count CPI exceeded a threshold in the last 15 minute interval.		
Remedial action: Using the Maintenance Interface, examine the set of warning alarms or any other alarms recently raised and address them. This alarm will clear automatically if the rate of warning alarm generation drops below the threshold.		

Table 19-78 MmELSS_cpiAsrtEsc

Alarm	Attributes	Applicable major NE releases
Name: MmELSS_cpiAsrtEsc (883) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: The raised alarm LSS_cpiAsrtEsc indicates the value of the VS.asrtESC measurement monitored by the Escalating Asserts CPI exceeded a threshold in the last 15 minute interval.		
Remedial action: This alarm will clear automatically if the rate of escalating assert generation drops below the threshold. An automatic escalation would result in a switch over and should also drop the rate of assert generation. Determine if any other alarms have been recently raised on the resource reported and address them. Examine the recent Performance (PM) counts on the resource reported; they may suggest more regarding this issue. If a provisioning or configuration change was executed just before the alarm was raised, consider that the change is causing the problem. If a Software Update (SU) or Patch is being soaked, then this could indicate a problem with the software delivered; immediately contact Alcatel-Lucent Customer Support. If the PM counts indicates degradation of service and a switch over has not occurred, switch the service to its redundant mate. If the situation persists after a switch-over, be sure that the prior active host of the service was removed from service and restored completely. Attempt another switch over to the original active host for the service. In all cases, contact customer support regarding this alarm.		

Table 19-79 MmELSS_cpiAsrtNonEsc

Alarm	Attributes	Applicable major NE releases
Name: MmELSS_cpiAsrtNonEsc (884) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: The raised alarm LSS_cpiAsrtNonEsc indicates the value of the VS.asrtNonESC measurement monitored by the Non-Escalating Asserts CPI exceeded a threshold in the last 15 minute interval.		

(1 of 2)

19 – Alcatel-Lucent 9471 WMM alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: This alarm will clear automatically if the rate of non-escalating assert generation drops below the threshold. Determine if any other alarms have been recently raised on the resource reported and address them. Examine the recent Performance (PM) counts on the resource reported; they may suggest more regarding this issue. If a provisioning or configuration change was executed just before the alarm was raised, consider that the change is causing the problem. If a Software Update (SU) or Patch is being soaked, then this could indicate a problem with the software delivered; immediately contact Alcatel-Lucent Customer Support. If the PM counts indicates degradation of service, switch the service to its redundant mate. If the situation persists after a switch-over, be sure that the prior active host of the service was removed from service and restored completely. Attempt another switch over to the original active host for the service. In all cases, contact customer support regarding this alarm.		

(2 of 2)

Table 19-80 MmeLSS_cpiAsrtNonEscCritical

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_cpiAsrtNonEscCritical (885) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: The raised alarm LSS_cpiAsrtNonEscCritical indicates the value of the VS.asrtNonESCritical measurement monitored by the Critical Non-Escalating Asserts CPI exceeded a threshold in the last 15 minute interval.		
Remedial action: This alarm will clear automatically if the rate of non-escalating assert generation drops below the threshold. Determine if any other alarms have been recently raised on the resource reported and address them. Examine the recent Performance (PM) counts on the resource reported; they may suggest more regarding this issue. If a provisioning or configuration change was executed just before the alarm was raised, consider that the change is causing the problem. If a Software Update (SU) or Patch is being soaked, then this could indicate a problem with the software delivered; immediately contact Alcatel-Lucent Customer Support. If the PM counts indicates degradation of service, switch the service to its redundant mate. If the situation persists after a switch-over, be sure that the prior active host of the service was removed from service and restored completely. Attempt another switch over to the original active host for the service. In all cases, contact customer support regarding this alarm.		

Table 19-81 MmeLSS_cpiAsrtNonEscMajor

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_cpiAsrtNonEscMajor (886) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: The raised alarm LSS_cpiAsrtNonEscMajor indicates the value of the VS.asrtNonESCMajor measurement monitored by the Major Non-Escalating Asserts CPI exceeded a threshold in the last 15 minute interval.		
Remedial action: This alarm will clear automatically if the rate of non-escalating assert generation drops below the threshold. Determine if any other alarms have been recently raised on the resource reported and address them. Examine the recent Performance (PM) counts on the resource reported; they may suggest more regarding this issue. If a provisioning or configuration change was executed just before the alarm was raised, consider that the change is causing the problem. If a Software Update (SU) or Patch is being soaked, then this could indicate a problem with the software delivered; immediately contact Alcatel-Lucent Customer Support. If the PM counts indicates degradation of service, switch the service to its redundant mate. If the situation persists after a switch-over, be sure that the prior active host of the service was removed from service and restored completely. Attempt another switch over to the original active host for the service. In all cases, contact customer support regarding this alarm.		

Table 19-82 MmeLSS_cpiAsrtNonEscMinor

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_cpiAsrtNonEscMinor (887) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: The raised alarm LSS_cpiAsrtNonEscMinor indicates the value of the VS.asrtNonESCMinor measurement monitored by the Minor Non-Escalating Asserts CPI exceeded a threshold in the last 15 minute interval.		
Remedial action: This alarm will clear automatically if the rate of non-escalating assert generation drops below the threshold. Determine if any other alarms have been recently raised on the resource reported and address them. Examine the recent Performance (PM) counts on the resource reported; they may suggest more regarding this issue. If a provisioning or configuration change was executed just before the alarm was raised, consider that the change is causing the problem. If a Software Update (SU) or Patch is being soaked, then this could indicate a problem with the software delivered; immediately contact Alcatel-Lucent Customer Support. If the PM counts indicates degradation of service, switch the service to its redundant mate. If the situation persists after a switch-over, be sure that the prior active host of the service was removed from service and restored completely. Attempt another switch over to the original active host for the service. In all cases, contact customer support regarding this alarm.		

Table 19-83 MmeLSS_cpiAudErrCount

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_cpiAudErrCount (888) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: The raised alarm LSS_cpiAudErrCount indicates the value of the VS.audErrCount measurement monitored by the Audit Errors CPI exceeded a threshold in the last 15 minute interval. Audits run at low priority to recover lost or stuck resources. Audits generate error reports describing any problems they find. The VS.audErrCnt measurement reports the number of individual errors found by audits during the interval.		
Remedial action: Although audits take recovery for each error they find, use the Maintenance Interface to examine the set of audit errors reported. If this alarm recurs or is ongoing due to the same set of audits, contact Alcatel-Lucent Customer Support. If this alarm is new and coincides with the introduction of a software update, contact Alcatel-Lucent Customer Support immediately. This alarm will clear automatically if the rate of audit detected errors drops below the threshold.		

Table 19-84 MmeLSS_cpiAudManAct

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_cpiAudManAct (889) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: The raised alarm, LSS_cpiAudManAct, indicates the value of the VS.audManAct measurement monitored by the Audit Errors Requiring Manual Action CPI exceeded a threshold in the last 15 minute interval. Audits run at low priority to recover lost or stuck resources. Audits generate error reports describing any problems they find.. The VS.audManAct measurement reports the number of individual errors found by audits during the interval that require manual action for recovery.		

(1 of 2)

19 – Alcatel-Lucent 9471 WMM alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: Using the Maintenance Interface, examine the set of audit errors reported and address them. Audit error reports requiring manual action should specify the actions needed to perform recovery. If this alarm is new and coincides with the introduction of a software update, contact Alcatel-Lucent Customer Support immediately. This alarm will clear automatically if the rate of audit detected errors requiring manual action drops below the threshold. However, this will not happen until the required manual recovery steps have been taken.		

(2 of 2)

Table 19-85 MmeLSS_cpiAudNewEvent

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_cpiAudNewEvent (890) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: The raised alarm LSS_cpiAudNewEvent indicates the value of the VS.audNewEvent measurement monitored by the Audit Initiated Events CPI exceeded a threshold in the last 15 minute interval. Audits run at low priority to recover lost or stuck resources. Audits generate error reports describing any problems they find. The VS.audNewEvent measurement reports the number of times during the interval that an audit that ran without being part of an escalated recovery and found at least one error.		
Remedial action: Although audits take recovery for each error they find, use the Maintenance Interface to examine the set of audit errors reported. If this alarm recurs or is ongoing due to the same set of audits, contact Alcatel-Lucent Customer Support. If this alarm is new and coincides with the introduction of a software update, contact Alcatel-Lucent Customer Support immediately. This alarm will clear automatically if the rate of audit invocations that detect errors drops below the threshold.		

Table 19-86 MmeLSS_cpiExceptionService

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_cpiExceptionService (891) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: The raised alarm LSS_cpiExceptionService indicates the value of the VS.exceptionService measurement monitored by the Service Exceptions CPI exceeded a threshold in the last 15 minute interval.		
Remedial action: The value of the VS.exceptionService measurement monitored by the Service Exceptions CPI exceeded a threshold in the last 15 minute interval. This alarm will clear automatically if the rate of exceptions drops below the threshold. Determine if any other alarms have been recently raised on the resource reported and address them. Examine the recent Performance (PM) counts on the resource reported; they may suggest more regarding this issue. If a provisioning or configuration change was executed just before the alarm was raised, consider that the change is causing the problem. If a Software Update (SU) or Patch is being soaked, then this could indicate a problem with the software delivered; immediately contact Alcatel-Lucent Customer Support. If the PM counts indicates degradation of service and a switch-over has not already occurred, switch the service to its redundant mate. If the situation persists after a switch-over, be sure that the prior active host of the service was removed from service and restored completely. Attempt another switch over to the original active host for the service. If the situation persists after two or more switch-overs of the pair within the service, then attempt to duplex fail the service. In all cases, contact customer support regarding this alarm.		

Table 19-87 MmeLSS_cpiFileSysUsage

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_cpiFileSysUsage (897) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: The raised alarm LSS_cpiFileSysUsage indicates the value of resource usage count VS.fileSysUsage monitored by the File System Usage CPI exceeded a threshold in the last 5-minute interval.		
Remedial action: Remove outdated and obsolete files to free the file system space. Move the important data files to other disks to free the file system space. When CPI alarm LSS_cpiFileSysUsage is fired for CDR host, don't remove CDR record files (under /app1/data0/cdrdata) and PCMD record files (under /app1/data0/pcmddata). Furthermore, double check timestamp of CDR records files under /app1/data0/cdrdata/app2/charging/stream1/primary. If many files are older than two PULL/PUSH intervals, then there might be CDR records file transfer issue, which should be fixed firstly. For non-CDR record or non-PCMD record files, follow step 1 or step 2.		

Table 19-88 MmeLSS_cpiGTPcResponseTOGn

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_cpiGTPcResponseTOGn (898) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: The raised alarm, LSS_cpiGTPcResponseTOGn, indicates that the value of VS.cpiGTPcResponseTOGn has exceeded a threshold in the last 15 minute interval. This counter monitors the percentage of GTP Requests sent over a Gn interface for which no Response is received by the MME. The Gn interface connects the MME with one or more SGSNs. The calculated percentage is compared against provisioned thresholds for Minor, Major, and Critical alarm conditions.		
Remedial action: Check neighboring SGSNs for error conditions or ongoing problems. Verify network connectivity and proper configuration between MME and SGSNs. If SGSNs and network connectivity are verified, examine all the GTP failure counters to determine if one failure cause predominates, and check fs.log to determine if errors related to the Gn interface have been reported. Contact next level of support.		

Table 19-89 MmeLSS_cpiGTPcResponseTOS3

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_cpiGTPcResponseTOS3 (3305) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: The raised alarm, LSS_cpiGTPcResponseTOS3, indicates meeting a threshold of GTP response failure rate in the last 5 minute interval. This failure rate monitors the percentage of GTP Requests sent over an S3 interface for which no Response is received by the MME. The S3 interface connects the MME with one or more SGSNs. The calculated percentage is compared against provisioned thresholds for Minor, Major, and Critical alarm conditions.		

(1 of 2)

19 – Alcatel-Lucent 9471 WMM alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: Check neighboring SGSNs for error conditions or ongoing problems. Verify network connectivity and proper configuration between MME and SGSNs. If SGSNs and network connectivity are verified, examine all the GTP failure counters to determine if one failure cause predominates, and check fs.log to determine if errors related to the S3 interface have been reported. Contact next level of support.		

(2 of 2)

Table 19-90 MmeLSS_cpiGTPcResponseTOSv

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_cpiGTPcResponseTOSv (899) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: The raised alarm, LSS_cpiGTPcResponseTOSv, indicates that the value of VS.cpiGTPcResponseTOSv has exceeded a threshold in the last 15 minute interval. This counter monitors the percentage of GTP Requests sent over an Sv interface for which no Response is received by the MME. The Sv interface connects the MME with one or more LVI(s). The calculated percentage is compared against provisioned thresholds for Minor, Major, and Critical alarm conditions.		
Remedial action: Check neighboring LVI(s) for error conditions or ongoing problems. Verify network connectivity and proper configuration between MME and LVI(s). If LVI(s) and network connectivity are verified, examine all the GTP failure counters to determine if one failure cause predominates, and check fs.log to determine if errors related to the Gn interface have been reported. Contact next level of support.		

Table 19-91 MmeLSS_cpiHOfailuresFromGERANoverS3

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_cpiHOfailuresFromGERANoverS3 (2854) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: The raised alarm, LSS_cpiHOfailuresFromGERANoverS3, indicates that the value of VS.cpiHOfailuresFromGERANoverS3 has exceeded a threshold in the last 5 minute interval. This counter monitors the failure rate of attempted handovers from GERAN to a E-UTRAN SGSN using the S3 interface. The failure rate is compared against provisioned thresholds for Minor, Major, and Critical alarm conditions.		
Remedial action: For failures attributed to the SGSN, check the target UTRAN/GERAN network for errors related to inter-system mobility procedures. For failures attributed to the MME, check the S3 link status and MME service status. Check fs.log for error indications related to S3 interface procedures, contact next level of support if internal MME errors are indicated.		

Table 19-92 MmeLSS_cpiHOfailuresFromUTRANoverS3

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_cpiHOfailuresFromUTRANoverS3 (2855) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: The raised alarm, LSS_cpiHOfailuresFromUTRANoverS3, indicates that the value of VS.cpiHOfailuresFromUTRANoverS3 has exceeded a threshold in the last 5 minute interval. This counter monitors the failure rate of attempted handovers from UTRAN to a E-UTRAN SGSN using the S3 interface. The failure rate is compared against provisioned thresholds for Minor, Major, and Critical alarm conditions.		
Remedial action: For failures attributed to the SGSN, check the target UTRAN/GERAN network for errors related to inter-system mobility procedures. For failures attributed to the MME, check the S3 link status and MME service status. Check fs.log for error indications related to S3 interface procedures, contact next level of support if internal MME errors are indicated.		

Table 19-93 MmeLSS_cpiHOfailuresRAUto2G3GnewSgwOverS3

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_cpiHOfailuresRAUto2G3GnewSgwOverS3 (2856) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: The raised alarm, LSS_cpiHOfailuresRAUto2G3GnewSgwOverS3, indicates that the value of VS.cpiHOfailuresRAUto2G3GnewSgwOverS3 has exceeded a threshold in the last 5 minute interval. This counter monitors the failure rate of attempted RAU-based handovers from E-UTRAN to a UTRAN/GERAN SGSN using the S3 interface with SGW Relocation. This is Routing Area Update procedures. The failure rate is compared against provisioned thresholds for Minor, Major, and Critical alarm conditions.		
Remedial action: For failures attributed to the SGSN, check the target UTRAN/GERAN network for errors related to inter-system mobility procedures. For failures attributed to the MME, check the S3 link status and MME service status. Check fs.log for error indications related to S3 interface procedures, contact next level of support if internal MME errors are indicated.		

Table 19-94 MmeLSS_cpiHOfailuresRAUto2G3GOverS3

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_cpiHOfailuresRAUto2G3GOverS3 (3306) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases

(1 of 2)

19 – Alcatel-Lucent 9471 WMM alarms

Alarm	Attributes	Applicable major NE releases
Description: The raised alarm, LSS_cpiHOfailuresRAuto2G3GOverS3, indicates the failure rate of attempted Routing Area Update (RAU) procedures from E-UTRAN to a UTRAN/GERAN SGSN using the S3 interface has exceeded a threshold in the last 5 minute interval. Failures encountered during the entire duration of the RAU procedure are included. Therefore, failures encountered both prior to and after SGW change determination are included. The failure rate is compared against provisioned thresholds for Minor, Major, and Critical alarm conditions.		
Remedial action: For failures attributed to the SGSN, check the target UTRAN/GERAN network for errors related to inter-system mobility procedures. For failures attributed to the MME, check the S3 link status and MME service status. Check fs.log for error indications related to S3 interface procedures, contact Alcatel-Lucent Customer Support if internal MME errors are indicated.		

(2 of 2)

Table 19-95 MmeLSS_cpiHOfailuresRAuto2G3GsameSgwOverS3

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_cpiHOfailuresRAuto2G3GsameSgwOverS3 (2857) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: The raised alarm, LSS_cpiHOfailuresRAuto2G3GsameSgwOverS3, indicates that the value of VS.cpiHOfailuresRAuto2G3GsameSgwOverS3 has exceeded a threshold in the last 5 minute interval. This counter monitors the failure rate of attempted handovers from E-UTRAN to a UTRAN/GERAN SGSN using the S3 interface without SGW Relocation. This is Routing Area Update procedures. The failure rate is compared against provisioned thresholds for Minor, Major, and Critical alarm conditions.		
Remedial action: For failures attributed to the SGSN, check the target UTRAN/GERAN network for errors related to inter-system mobility procedures. For failures attributed to the MME, check the S3 link status and MME service status. Check fs.log for error indications related to S3 interface procedures, contact next level of support if internal MME errors are indicated.		

Table 19-96 MmeLSS_cpiHOfailuresTo3G2GOverGn

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_cpiHOfailuresTo3G2GOverGn (900) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: The raised alarm, LSS_cpiHOfailuresTo3G2GOverGn, indicates that the value of VS.cpiHOfailuresTo3G2GOverGn has exceeded a threshold in the last 15 minute interval. This counter monitors the failure rate of attempted handovers from E-UTRAN to a UTRAN/GERAN SGSN using the Gn interface. This includes Routing Area Update procedures. The failure rate is compared against provisioned thresholds for Minor, Major, and Critical alarm conditions.		
Remedial action: For failures attributed to the SGSN, check the target UTRAN/GERAN network for errors related to inter-system mobility procedures. For failures attributed to the MME, check the Gn link status and MME service status. Check fs.log for error indications related to Gn interface procedures, contact next level of support if internal MME errors are indicated.		

Table 19-97 MmeLSS_cpiHOfailuresToGERANoverS3

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_cpiHOfailuresToGERANoverS3 (2858) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: The raised alarm, LSS_cpiHOfailuresToGERANoverS3, indicates that the value of VS.cpiHOfailuresToGERANoverS3 has exceeded a threshold in the last 5 minute interval. This counter monitors the failure rate of attempted handovers from E-UTRAN to a GERAN SGSN using the S3 interface. The failure rate is compared against provisioned thresholds for Minor, Major, and Critical alarm conditions.		
Remedial action: For failures attributed to the SGSN, check the target UTRAN/GERAN network for errors related to inter-system mobility procedures. For failures attributed to the MME, check the S3 link status and MME service status. Check fs.log for error indications related to S3 interface procedures, contact next level of support if internal MME errors are indicated.		

Table 19-98 MmeLSS_cpiHOfailuresToUTRANoverS3

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_cpiHOfailuresToUTRANoverS3 (2859) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: The raised alarm, LSS_cpiHOfailuresToUTRANoverS3, indicates that the value of VS.cpiHOfailuresToUTRANoverS3 has exceeded a threshold in the last 5 minute interval. This counter monitors the failure rate of attempted handovers from E-UTRAN to a UTRAN SGSN using the S3 interface. The failure rate is compared against provisioned thresholds for Minor, Major, and Critical alarm conditions.		
Remedial action: For failures attributed to the SGSN, check the target UTRAN/GERAN network for errors related to inter-system mobility procedures. For failures attributed to the MME, check the S3 link status and MME service status. Check fs.log for error indications related to S3 interface procedures, contact next level of support if internal MME errors are indicated.		

Table 19-99 MmeLSS_cpiMafAttachFailuresSysRelated

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_cpiMafAttachFailuresSysRelated (2860) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: The raised alarm, LSS_cpiMafAttachFailuresSysRelated, indicates meeting/exceeding a threshold of the rate of system-related failures for Attach procedures, which is calculated every 5 minutes.		
Remedial action: Verify that the S1, S6a and S11 links are in-service/normal, using the link_cli command. Verify that no overload alarms exist on the MME. Contact Alcatel-Lucent Customer Support		

Table 19-100 MmeLSS_cpiMAFCommunicationFailureRate

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_cpiMAFCommunicationFailureRate (3307) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: The raised alarm, cpiMAFCommunicationFailureRate, indicates meeting a threshold of MAF communication failure rate on a per MAF service basis in the last 5 minutes. The failure rate is calculated from the measurement count VS.TotalMsgsRcvdFromMAF and VS.TotalMsgsSentToMAF in every interval of 5 minutes. On the MI GUI the alarm resource will indicate which MAF service has the problem in the MAF pool.		
Remedial action: Check the overload status of the MAF service firing this alarm. Check if there is any hung process in the MAF service firing this alarm. If the MAF service is duplex, try to switch the active MAF service. Contact Alcatel-Lucent Technical Support if problem still persists.		

Table 19-101 MmeLSS_cpiMafEIRfailuresS13

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_cpiMafEIRfailuresS13 (2861) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: The raised alarm, LSS_cpiMafEIRfailuresS13, indicates that the value of VS.LSS_cpiMafEIRfailuresS13 has exceeded a threshold in the last 5 minute interval. This counter monitors the percentage of unsuccessful EquipmentCheckRequest (ECR) to the number of ECRs attempted. The calculated percentage is compared against provisioned thresholds for Minor, Major, and Critical alarm conditions.		
Remedial action: Verify the far end HSS (EIR) is functioning properly. Check fs.log for any ECR/ECA/S13 related errors to aid in determining the cause. Contact next level of support.		

Table 19-102 MmeLSS_cpiMafExtServiceReqFailuresSysRelated

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_cpiMafExtServiceReqFailuresSysRelated (3578) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: The raised alarm LSS_cpiMafExtServiceReqFailuresSysRelated indicates meeting a threshold of the Extended Service Request System Related Failure CPI.		
Remedial action: Verify that S1, S6a, S11 and SGs links are Unlocked/Enabled using link_cli Verify that there are no overload alarms on MME Contact Customer Support		

Table 19-103 MmeLSS_cpiMafExtServiceRequestFailures

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_cpiMafExtServiceRequestFailures (3579) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: The raised alarm LSS_cpiMafExtServiceRequestFailures indicates meeting a threshold of the Extended Service Request Failure CPI.		
Remedial action: Verify MME provisioning data, especially PLMN, TAI-LAI-Mapping, LAI tables Verify that S1, S6a, S11 and SGs links are Unlocked/Enabled using link_cli Verify that there are no overload alarms on MME Contact Customer Support		

Table 19-104 MmeLSS_cpiMafFailuresOverSGs

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_cpiMafFailuresOverSGs (909) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: The raised alarm, LSS_cpiMafFailuresOverSGs, indicates meeting/exceeding a threshold of the rate of failure for handling messages from the SGs interface, which is calculated every 5 minutes.		
Remedial action: Verify that the SGs links are in-service/normal, using the link_cli command. Contact Alcatel-Lucent Customer Support		

Table 19-105 MmeLSS_cpiMafHLRAuthFail

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_cpiMafHLRAuthFail (2862) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: The raised alarm, LSS_cpiMafHLRAuthFail, indicates meeting/exceeding a threshold of the rate of failure for handling Authentication failure messages from the HLR, which is calculated every 5 minutes.		
Remedial action: Verify that the Gr link is in-service/normal, using the link_cli command. Contact Alcatel-Lucent Customer Support		

Table 19-106 MmeLSS_cpiMafServiceReqFailuresSysRelated

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_cpiMafServiceReqFailuresSysRelated (910) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: The raised alarm, LSS_cpiMafServiceReqFailuresSysRelated, indicates meeting/exceeding a threshold of the rate of system-related failures for UE Service Request procedures, which is calculated every 5 minutes.		
Remedial action: Verify that the S1, S6a and S11 links are in-service/normal, using the link_cli command. Verify that no overload alarms exist on the MME. Contact Alcatel-Lucent Customer Support		

Table 19-107 MmeLSS_cpiMafTauFailuresInterMme

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_cpiMafTauFailuresInterMme (911) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: The raised alarm, LSS_cpiMafTauFailuresInterMme, indicates meeting/exceeding a threshold of the rate of failure of Tracking Area Update procedures involving MME relocation which is calculated every 5 minutes.		
Remedial action: Verify that the eNB, and MME links are in-service/normal, using the link_cli command. Contact Alcatel-Lucent Customer Support to determine the status of the serving eNB and the MME groups serving the eNB that is involved in the TAU procedure		

Table 19-108 MmeLSS_cpiMafTauFailuresInterMmeInterSgw

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_cpiMafTauFailuresInterMmeInterSgw (3308) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: The raised alarm, LSS_cpiMafTauFailuresInterMmeInterSgw, indicates meeting/exceeding a threshold of the rate of failure of Tracking Area Update procedures involving MME relocation and SGW relocation which is calculated every 5 minutes.		
Remedial action: Verify that the HSS, eNB, SGW, and MME links are in-service/normal, using link_cli. Verify UE subscription information in HSS. Contact Alcatel-Lucent Customer Support to determine the status of the serving eNB, MME groups, and SGW Pools serving the eNB that are involved in the TAU procedure.		

Table 19-109 MmeLSS_cpiMafTauFailuresInterSgw

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_cpiMafTauFailuresInterSgw (912) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: The raised alarm, LSS_cpiMafTauFailuresInterSgw, indicates meeting/exceeding a threshold of the rate of failure of Tracking Area Update procedures involving SGW relocation, which is calculated every 5 minutes.		
Remedial action: Verify that the eNB, and SGW links are in-service/normal, using the link_cli command. Contact Alcatel-Lucent Customer Support to determine the status of the serving eNB and the SGW Pools serving the eNB that is involved in the TAU procedure		

Table 19-110 MmeLSS_cpiMBMSSessionStartM3FailureRate

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_cpiMBMSSessionStartM3FailureRate (3572) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: The raised alarm LSS_cpiMBMSSessionStartM3FailureRate indicates meeting a threshold of the MBMS Session Start M3 Failure Rate CPI.		
Remedial action: For failures attributed to the MCE, check the MCE/eNB and network connections for errors. For failures attributed to the MME, check the M3 link status and MME service status. Check fs.log for error indications related to M3 interface procedures, contact Alcatel-Lucent Customer Support if internal MME errors are indicated.		

Table 19-111 MmeLSS_cpiMBMSSessionStartSmFailureRate

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_cpiMBMSSessionStartSmFailureRate (3573) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: The raised alarm LSS_cpiMBMSSessionStartSmFailureRate indicates meeting a threshold of the MBMS Session Start Sm Failure Rate CPI.		
Remedial action: For failures attributed to the MBMS-GW, check the MBMS-GW and network for errors. For failures attributed to the MME, check the Sm link status and MME service status. Check fs.log for error indications related to Sm interface procedures, contact Alcatel-Lucent Customer Support if internal MME errors are indicated.		

Table 19-112 MmeLSS_cpiMBMSSessionStopM3FailureRate

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_cpiMBMSSessionStopM3FailureRate (3574) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: The raised alarm LSS_cpiMBMSSessionStopM3FailureRate indicates meeting a threshold of the MBMS Session Stop M3 Failure Rate CPI.		
Remedial action: For failures attributed to the MCE, check the MCE/eNB and network connections for errors. For failures attributed to the MME, check the M3 link status and MME service status. Check fs.log for error indications related to M3 interface procedures, contact Alcatel-Lucent Customer Support if internal MME errors are indicated.		

Table 19-113 MmeLSS_cpiMBMSSessionStopSmFailureRate

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_cpiMBMSSessionStopSmFailureRate (3575) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: The raised alarm LSS_cpiMBMSSessionStopSmFailureRate indicates meeting a threshold of the MBMS Session Stop Sm Failure Rate CPI.		
Remedial action: For failures attributed to the MBMS-GW, check the MBMS-GW and network for errors. For failures attributed to the MME, check the Sm link status and MME service status. Check fs.log for error indications related to Sm interface procedures, contact Alcatel-Lucent Customer Support if internal MME errors are indicated.		

Table 19-114 MmeLSS_cpiMBMSSessionUpdateM3FailureRate

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_cpiMBMSSessionUpdateM3FailureRate (3576) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: The raised alarm LSS_cpiMBMSSessionUpdateM3FailureRate indicates meeting a threshold of the MBMS Session Update M3 Failure Rate CPI.		
Remedial action: For failures attributed to the MCE, check the MCE/eNB and network connections for errors. For failures attributed to the MME, check the M3 link status and MME service status. Check fs.log for error indications related to M3 interface procedures, contact Alcatel-Lucent Customer Support if internal MME errors are indicated.		

Table 19-115 MmeLSS_cpiMBMSSessionUpdateSmFailureRate

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_cpiMBMSSessionUpdateSmFailureRate (3577) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: The raised alarm LSS_cpiMBMSSessionUpdateSmFailureRate indicates meeting a threshold of the MBMS Session Update Sm Failure Rate CPI.		
Remedial action: For failures attributed to the MBMS-GW, check the MBMS-GW and network for errors. For failures attributed to the MME, check the Sm link status and MME service status. Check fs.log for error indications related to Sm interface procedures, contact Alcatel-Lucent Customer Support if internal MME errors are indicated.		

Table 19-116 MmeLSS_cpiMemAllocFail

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_cpiMemAllocFail (913) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: The raised alarm, LSS_cpiMemAllocFail, indicates the value of the VS.memAllocFail measurement monitored by the failed memory allocation attempts CPI exceeded a threshold in the last 15 minute interval.		
Remedial action: Investigate the amount of load being handled by this service and take steps to reduce it if it is excessive. Otherwise contact Alcatel-Lucent Customer Support. If this alarm coincides with the introduction of a software update, contact Alcatel-Lucent Customer Support immediately. This alarm will clear automatically if the rate of memory allocation failures drops below the threshold.		

Table 19-117 MmeLSS_cpiNoPSHOFailuresOverSv

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_cpiNoPSHOFailuresOverSv (914) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: The raised alarm, LSS_cpiNoPSHOFailuresOverSv, indicates that the value of VS.cpiNoPSHOFailuresOverSv has exceeded a threshold in the last 15 minute interval. This counter monitors the failure rate of Attempted handovers of circuit-services only to UTRAN/GERAN via the Sv interface. The failure rate is compared against provisioned thresholds for Minor, Major, and Critical alarm conditions.		

(1 of 2)

19 – Alcatel-Lucent 9471 WMM alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: Check counters and alarms related to the Sv interface. Verify network connectivity and proper configuration between the MME and LVI(s). Check the target UTRAN/GERAN network for configuration problems that could cause the handover preparation attempts to be rejected. Check the source E-UTRAN network and target UTRAN/GERAN network for handover failure conditions. Check fs.log for error indications related to Sv interface procedures. Contact next level of support if internal MME errors are indicated.		

(2 of 2)

Table 19-118 MmeLSS_cpiPSHOFailuresOverSv

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_cpiPSHOFailuresOverSv (3879) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: The raised alarm LSS_cpiPSHOFailuresOverSv indicates meeting a threshold of the Hand Down to UTRAN/GERAN via the Sv interface with PSHO Failure Rate CPI.		
Remedial action: Check counters and alarms related to the Sv interface. Verify network connectivity and proper configuration between the MME and MSC(s). Check the target UTRAN/GERAN network for configuration problems that could cause the handover preparation attempts to be rejected. Check the source E-UTRAN network and target UTRAN/GERAN network for handover failure conditions. Check fs.log for error indications related to Sv interface procedures. Contact next level of support if internal MME errors are indicated.		

Table 19-119 MmeLSS_cpiReinitServiceSelf

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_cpiReinitServiceSelf (915) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: The raised alarm LSS_cpiReinitServiceSelf indicates the value of the VS.reinitServiceSelf measurement monitored by the Automatic Service Re-initialization CPI exceeded a threshold in the last 15 minute interval.		
Remedial action: This alarm will clear automatically if the rate of re-initializations drops below the threshold. Check that a switch over has successfully occurred. Determine if any other alarms have been recently raised on the resource reported and address them. As this is likely the result of recovery escalation, one or more of these alarms may also be raised: LSS_cpiAsrtEsc, LSS_cpiExceptionService, LSS_cpiRestartTask. If a provisioning or configuration change was executed just before the alarm was raised, consider that the change is causing the problem. If a Software Update (SU) or Patch is being soaked, then this could indicate a problem with the software delivered; immediately contact Alcatel-Lucent Customer Support. If the situation persists after a switch-over, be sure that the prior active host of the service was removed from service and restored completely. Attempt another switch over to the original active host for the service if that has not already occurred. If the situation persists after two or more switch-overs of the pair within the service, then attempt to duplex fail the service. Attempt to power down the card providing the service and then restore it. If the problem clears, this suggests faulty hardware. In all cases, contact customer support regarding this alarm.		

Table 19-120 MmeLSS_cpiS3TauFailures

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_cpiS3TauFailures (2863) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: The raised alarm, LSS_cpiS3TauFailures, indicates meeting/exceeding a threshold of the rate of failure of Tracking Area Update procedures from an SGSN to the MME over an S3 link.		
Remedial action: Verify that the eNB, SGW, HSS, and SGSN S3 links are in-service/normal, using link_cli. Verify the operational status of the SGSN and that the SGSN is responding to messages over the S3 link. Verify the operational status of the DNS server and that the DNS entries for the SGW are correct. Contact Alcatel-Lucent Customer Support to determine the status of the serving eNB, the HSS and the SGW serving the eNB that is involved in the TAU procedure.		

Table 19-121 MmeLSS_cpiS3TauFailuresInterSgw

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_cpiS3TauFailuresInterSgw (2864) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: The raised alarm, LSS_cpiS3TauFailuresInterSGW, indicates meeting/exceeding a threshold of the rate of failure of Tracking Area Update procedures from an SGSN to the MME over an S3 link that involves a change of serving SGW.		
Remedial action: Verify that the eNB, SGW, HSS, and SGSN S3 links are in-service/normal, using link_cli. Verify the operational status of the SGSN and that the SGSN is responding to messages over the S3 link. Verify the operational status of the DNS server and that the DNS entries for the SGW are correct. Contact Alcatel-Lucent Customer Support to determine the status of the serving eNB, the HSS and the SGW serving the eNB that is involved in the TAU procedure.		

Table 19-122 MmeLSS_cpiS3TauFailuresIntraSGW

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_cpiS3TauFailuresIntraSGW (2865) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: The raised alarm, LSS_cpiS3TauFailuresIntraSGW, indicates meeting/exceeding a threshold of the rate of failure of Tracking Area Update procedures from an SGSN to the MME over an S3 link that do not involve a change of serving SGW.		
Remedial action: Verify that the eNB, SGW, HSS, and SGSN S3 links are in-service/normal, using link_cli. Verify the operational status of the SGSN and that the SGSN is responding to messages over the S3 link. Verify the operational status of the DNS server and that the DNS entries for the SGW are correct. Contact Alcatel-Lucent Customer Support to determine the status of the serving eNB, the HSS and the SGW serving the eNB that is involved in the TAU procedure.		

Table 19-123 MmeLSS_cpiStopWarnMsgDeliveryS1MMEFailureRate

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_cpiStopWarnMsgDeliveryS1MMEFailureRate (3583) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: The raised alarm LSS_cpiStopWarnMsgDeliveryS1MMEFailureRate indicates meeting a threshold of the Stop Warning Message Delivery S1MME Failure Rate CPI.		
Remedial action: Verify that the S1MME links are in-service/normal, using link_cli. Verify the operational status of the eNBs and that the eNBs are responding to messages over the S1MME link. Contact Alcatel-Lucent Customer Support to determine the status of the eNBs that are involved in the Stop Warning Message procedure.		

Table 19-124 MmeLSS_cpiStopWarnMsgDeliverySBcFailureRate

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_cpiStopWarnMsgDeliverySBcFailureRate (3584) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: The raised alarm LSS_cpiStopWarnMsgDeliverySBcFailureRate indicates meeting a threshold of the Stop Warning Message Delivery SBc Failure Rate CPI.		
Remedial action: Verify that the SBc links are in-service/normal, using link_cli. Verify that the S1MME links are in-service/normal, using link_cli. Verify the operational status of the CBC. Verify the operational status of the eNBs and that the eNBs are responding to messages over the S1MME link. Contact Alcatel-Lucent Customer Support to determine the status of the CBC and eNBs that are involved in the Stop Warning Message procedure.		

Table 19-125 MmeLSS_cpiUECapacityUsage

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_cpiUECapacityUsage (3309) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: The raised alarm, cpiUECapacityUsage, indicates meeting a threshold of a UE capacity utilization rate on a per MAF service basis in the last 5 minutes.		
Remedial action: Check how many MAF services the MME has and consider to install more MAF services to increase the MME capacity.		

Table 19-126 MmeLSS_cpiWarnMsgDeliveryS1MMEFailureRate

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_cpiWarnMsgDeliveryS1MMEFailureRate (3585) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: The raised alarm LSS_cpiWarnMsgDeliveryS1MMEFailureRate indicates meeting a threshold of the Warning Message Delivery S1MME Failure Rate CPI.		
Remedial action: Verify that the S1MME links are in-service/normal, using link_cli. Verify the operational status of the eNBs and that the eNBs are responding to messages over the S1MME link. Contact Alcatel-Lucent Customer Support to determine the status of the eNBs that are involved in the Write Replace Warning Message procedure.		

Table 19-127 MmeLSS_cpiWarnMsgDeliverySBcFailureRate

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_cpiWarnMsgDeliverySBcFailureRate (3586) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: The raised alarm LSS_cpiWarnMsgDeliverySBcFailureRate indicates meeting a threshold of the Warning Message Delivery SBc Failure Rate CPI.		
Remedial action: Verify that the SBc links are in-service/normal, using link_cli. Verify that the S1MME links are in-service/normal, using link_cli. Verify the operational status of the CBC. Verify the operational status of the eNBs and that the eNBs are responding to messages over the S1MME link. Contact Alcatel-Lucent Customer Support to determine the status of the CBC and eNBs that are involved in the Write Replace Warning Message procedure.		

Table 19-128 MmeLSS_cpuOverload

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_cpuOverload (916) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: This alarm indicates that the CPU utilization on a service has exceeded a threshold. The three severity levels indicate the degree of CPU overload. The current default thresholds are: Minor - 91, Major - 93, Critical - 95.		
Remedial action: Verify that no running debug or testing tool is running that uses a lot of CPU. If CPU utilization regularly exceeds thresholds, investigate how the call traffic load can be reduced: Reengineer so less traffic is directed to this office or card. If your application supports higher-capacity cards, consider replacing them. Verify if there are enough call servers, device servers, etc., to handle the expected load and add additional cards as appropriate.		

Table 19-129 MmELSS_databaseConnectionLost

Alarm	Attributes	Applicable major NE releases
Name: MmELSS_databaseConnectionLost (917) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: This alarm can be displayed during the initiation of CNFG server (startFS or startCNFG), when the host_manager fails to connect to the database.		
Remedial action: Stop and restart the database using the following commands: stopFS sudo RCCmachoffline -u sudo RCCmachonline startFS If this alarm is fired from CDR host and not cleared, contact Alcatel-Lucent Customer Support.		

Table 19-130 MmELSS_databaseReplicationLinkDown

Alarm	Attributes	Applicable major NE releases
Name: MmELSS_databaseReplicationLinkDown (918) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: This alarm will be displayed when a database replication link is down.		
Remedial action: The host on one end of the bad link should be brought gracefully offline and online. Any active services on the blade should be switched to the mate host prior to bring the host offline. When the host is back online check replications links using 'lss login, type dbcli -R'.		

Table 19-131 MmELSS_databaseSizeExhausted

Alarm	Attributes	Applicable major NE releases
Name: MmELSS_databaseSizeExhausted (919) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: This alarm is raised when a database approaches full capacity.		
Remedial action: If the alarm is a warning (84% full), the system impact on the specified database reaching capacity should be investigated. In some instances, a database at 84% capacity is acceptable. Contact Alcatel-Lucent Customer Support for additional details. If the alarm becomes Major (96% full), field support should be contacted. In most cases, steps to reduce the size of the database should be implemented. Alcatel-Lucent Customer Support should be contacted to assist in the investigation to reduce the size of the impacted database.		

Table 19-132 MmeLSS_dataChange

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_dataChange (3587) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: A user other than 'sam5620' has made a provisioning change; this event is sent to the SAM 5620 to notify it of the change so that the SAM database can be updated to match that of the network element. The additionalText field contains the keys of the affected record and table.		
Remedial action: Informational only - no corrective action needed.		

Table 19-133 MmeLSS_dataMismatch

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_dataMismatch (3928) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: A data mismatch has been detected, which indicates that there has been an error in provisioning. The additionalText field of the event provides the details of the data mismatch.		
Remedial action: A data mismatch has been detected, which indicates that there has been an error in provisioning. The mismatch is most probably between the configurations of the SCTP profile and Interface profile and between the network interface types. Another probable cause is that provisioned for an interface do not match the IP addresses learned from the remote end in the SCTP INIT-ACK message. This alarm must be manually cleared after the provisioned data is corrected.		

Table 19-134 MmeLSS_dbHighCpuUtilization

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_dbHighCpuUtilization (920) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: This alarm indicates very high CPU time usage by a database system process.		
Remedial action: The host and pid of the process are printed in the alarm. Monitor CPU usage of this pid and contact Alcatel-Lucent Customer Support. This condition can generally be cleared by stopping and then starting RCC VM on the affected host.		

Table 19-135 MmeLSS_dbOffline

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_dbOffline (921) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: This alarm will be displayed when the database is offline.		
Remedial action: Normally the alarm will be cleared automatically when Datablitz servers recover; If this alarm is not cleared, please contact Alcatel-Lucent Customer Support.		

Table 19-136 MmeLSS_dbStatusUnexpected

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_dbStatusUnexpected (3680) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: This alarm will be displayed when the DataBlitz database can not be accessed.		
Remedial action: Normally the alarm will be cleared automatically when Datablitz database(s) becomes accessible. If this alarm is not cleared, please contact Alcatel-Lucent Customer Support.		

Table 19-137 MmeLSS_degradedResource

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_degradedResource (922) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: A Critical Application Resource (CAR) has reached a degraded condition that indicates some aspect of the switch is not performing as expected. The affected service member is indicated in the alarm by the PoolType, PoolId, and PoolMemberId.		
Remedial action: The root cause depends on the specific resource that is degraded. From the alarm, determine the service member that is degraded, as shown by the PoolType, PoolId, and PoolMemberId. On the MI GUI, go to the Management Interface window. Under the appropriate shelf, click Service Members. In the Service Members window, right click the appropriate service member, and choose Display Degraded Critical Resources. A pop-up window will display the 'Resource name' for each resource that is causing the service member to be degraded. In most cases, when a resource is degraded, the associated alarm will be firing. See the entry for this alarm in the '9471 Mobility Management Entity Alarm Dictionary 418-111-208' for a list of resources and the associated alarms.		

Table 19-138 MmeLSS_degrow

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_degrow (923) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: When performing SIM degrow procedure, failures that occur will result in the generation of DEGROW alarm.		
Remedial action: Based on the type of failure encountered, recovery actions may vary. If the DEGROW alarm is generated, contact Alcatel-Lucent Customer Support. Once the failure is corrected, a resumption of the SIM procedures will automatically clear the alarm.		

Table 19-139 MmeLSS_deviceServerConnectionSocketError

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_deviceServerConnectionSocketError (924) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: This alarm indicates heartbeating or connection of TCP socket has detected a failure in the socket between a Call Server (CS) and a Device Server (DS).		
Remedial action: Informational only - self-correcting condition.		

Table 19-140 MmeLSS_diskGoingDown

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_diskGoingDown (929) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: This alarm indicates that the Smart Monitor Tool Set (smartmontools) has determined that the Disk Drive for this LCP Host is going down, and is predicting failure in the next 24 hours.		
Remedial action: Backup Recovery actions for this LCP Host should be immediately executed. Alcatel-Lucent Customer Support should be immediately contacted		

Table 19-141 MmeLSS_diskSector

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_diskSector (930) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: This alarm indicates that the Smart Monitor Tool Set (smartmontools) has determined that the Disk Drive for this LCP Host has a bad sector.		
Remedial action: The card reporting the problem should be replaced, following the card replacement procedures.		

Table 19-142 MmeLSS_dnsThreshold

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_dnsThreshold (932) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: This alarm indicates returned number of IP addresses in DNS query of diameter fully-qualified domain name (FQDN) exceeds its number threshold.		
Remedial action: Verify that destination FQDN is correctly provisioned on the GUI Verify that FQDN is correctly provisioned on the external DNS server(IP addresses count should be less than threshold value).		

Table 19-143 MmeLSS_ethernetError

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_ethernetError (933) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: One of the two Ethernet Links on a Service Host has failed.		
Remedial action: Regardless of the cause of the Ethernet Link alarm, integrity software running on the affected Service Host should automatically initiate a switch to redundant hardware to ensure that the effects of the failure are minimized. The following recovery actions may, in fact, be automatically initiated: Service Host switch, if multiple Ethernet Links are affected Ethernet Link switch, if a single Active Ethernet Link is affected None, if the hardware failure affects a Standby Ethernet Link The reason for the failure needs to be understood and corrected. It is possible that the Service Host Ethernet Port failed, the cabling that interconnects the Ethernet Port to the network is cut, the Routers and/or Ethernet Switches that make up the Alcatel-Lucent SoftSwitch Network failed. Investigate each of these reasons and discount or correct. Once corrected, the alarm will be cleared.		

Table 19-144 MmELSS_ethernetLinkDown

Alarm	Attributes	Applicable major NE releases
Name: MmELSS_ethernetLinkDown (934) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: The redundant Ethernet link has gone down on one of the diskless hosts. A link switchover may have occurred to move communication for that host to the remaining link, which is now simplex.		
Remedial action: Determine if any related alarms are also present, such as on the ESC, chassis, or board itself. Correct those alarms first and see if this alarm clears as a result. On Alcatel-Lucent CP 1000: Verify that the cable from the corresponding faceplate port to the external Ethernet router is connected and is good. Replace as necessary. On other Alcatel-Lucent Products: Verify that the ESC corresponding to this link is operational by viewing its status at MI, and by telnet to the ESC card. Correct or replace ESC as necessary. On Alcatel-Lucent 5400 LCP: Verify that the hub corresponding to this link is operational by viewing its status at MI, and by telnet to the Hub. Correct or replace Hub as necessary. On Alcatel-Lucent CP 1000: Verify that the external Ethernet router is operational. Correct or replace as necessary. On other Alcatel-Lucent Products: On the ESC verify that the Ethernet port corresponding to the card for this host is operational. Re-enable port as necessary. On Alcatel-Lucent 5400 LCP: On the hub verify that the Ethernet port corresponding to the card for this host is operational. Re-enable port as necessary. Replace the card used for this host using the appropriate FRU procedure as necessary. On Alcatel-Lucent CP 1000: Replace the card used for this host using the appropriate FRU procedure. If the above steps do not clear the alarm, contact Alcatel-Lucent Customer Support.		

Table 19-145 MmELSS_ethernetLinkStateChange

Alarm	Attributes	Applicable major NE releases
Name: MmELSS_ethernetLinkStateChange (935) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: One of the two Ethernet Links on a Service Host has changed state.		
Remedial action: Informational - no corrective action required.		

Table 19-146 MmELSS_externalConnectivity

Alarm	Attributes	Applicable major NE releases
Name: MmELSS_externalConnectivity (936) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: The system detected a problem or a state change to external connectivity.		

(1 of 2)

19 – Alcatel-Lucent 9471 WMM alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: For INFO alarm, there is no action needed. For MAJOR and CRITICAL alarm, verify the cable connections from both HUB cards to customer layer 2 switches, check if the cables are plugged properly. For MAJOR and CRITICAL alarm, verify the port status on HUB cards, the port connect to the customer network should be in service. For MAJOR and CRITICAL alarm, verify the individual Ethernet port status on the HUB card for the given host with the alarm. For the CRITICAL alarm, verify connectivity to/from each of the IPs listed in the ARP list from the given host with the alarm. Check the next hop reported as failing. Contact Alcatel-Lucent Customer Support for the correction procedure if previous steps do not correct it.		

(2 of 2)

Table 19-147 MmeLSS_failedAttachReqsRateExceeded

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_failedAttachReqsRateExceeded (937) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: The raised alarm, LSS_failedAttachReqsRateExceeded, indicates the value of the VS.cpiAttachFailures measurement, monitored when failure Attach request CPI exceeded a threshold in the last 15 minute interval. This value computes the failure rate for the UE Attach procedure, and compares the calculation against provisioned thresholds for Minor, Major, and Critical alarm conditions		
Remedial action: Verify that the eNB, HSS and SGW links are in-service/normal, using the link_cli command. If the links look normal, and the alarm persists, contact Alcatel-Lucent Customer Support.		

Table 19-148 MmeLSS_failedAuthRequestsHSSRateExceeded

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_failedAuthRequestsHSSRateExceeded (938) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: The raised alarm, LSS_failedAuthRequestsHSSRateExceeded, indicates the value of VS.cpiHSSAuthFailures measurement, monitored when HSS failed Authentication requests exceeded a threshold in the last 15 minute interval. This value computes the failure rate for the Authentication procedure between the MME and the HSS, and compares the calculation against provisioned thresholds for Minor, Major, and Critical alarm conditions		
Remedial action: Clearance options include: Ensure communication between the MME and HSS (ping) If the HSS (S6a) link looks normal (using the link_cli command), and alarm persists, contact Alcatel-Lucent Customer Support.		

Table 19-149 MmeLSS_failedAuthRequestsUERateExceeded

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_failedAuthRequestsUERateExceeded (939) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: The raised alarm, LSS_failedAuthRequestsUERateExceeded, indicates the value of VS.cpiUEAuthFailures measurement, monitored when UE failed Authentication requests exceeded a threshold in the last 15 minute interval. This value computes the failure rate for the Authentication procedure between the MME and the UE and compares the calculation against provisioned thresholds for Minor, Major, and Critical alarm conditions.		
Remedial action: Verify HSS and UE authentication data, using ueadmin_cli. If the authentication data looks good, and the alarm persists, contact Alcatel-Lucent Customer Support.		

Table 19-150 MmeLSS_failedCrDedBearerReqsRateExceeded

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_failedCrDedBearerReqsRateExceeded (940) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: The raised alarm, LSS_failedCrDedBearerReqsRateExceeded, indicates the value of VS.cpiCreateDedicatedBearerFailures measurement, monitored when failure on Create Dedicated Bearer request exceeded a threshold in the last 15 minute interval. This value computes the failure rate for the Create Dedicated Bearer procedure, and compares the calculation against provisioned thresholds for Minor, Major, and Critical alarm conditions.		
Remedial action: Contact Alcatel-Lucent Customer Support.		

Table 19-151 MmeLSS_failedDeactDedBearerReqsRateExceeded

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_failedDeactDedBearerReqsRateExceeded (941) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: The raised alarm, LSS_failedDeactDedBearerReqsRateExceeded, indicates the value of VS.cpiDeactivateDedBearerFailures measurement, monitored when failure on Deactivate Dedicated Bearer request exceeded a threshold in the last 15 minute interval. This value computes the failure rate for the Deactivate Dedicated Bearer procedure, and compares the calculation against provisioned thresholds for Minor, Major, and Critical alarm conditions.		
Remedial action: Contact Alcatel-Lucent Customer Support.		

Table 19-152 MmeLSS_failedHRPDhandoverRateExceeded

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_failedHRPDhandoverRateExceeded (943) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: The raised alarm, LSS_failedHRPDhandoverRateExceeded, indicates the value of VS.cpiHRPDHoFailures measurement, monitored when failure on a HRPD Handover request exceeded a threshold in the last 15 minute interval. This value computes the failure rate for the Handover to HRPD procedure, and compares the calculation against provisioned thresholds for Minor, Major, and Critical alarm conditions.		
Remedial action: Look at all the failure counters for the Handover to HRPD procedure in the PMC XML files to determine if one failure cause predominates. If one is found, check User Documentation for any remedies specific to the found cause.		

Table 19-153 MmeLSS_failedMobileTermLocRequestRateExceeded

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_failedMobileTermLocRequestRateExceeded (3588) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: The raised alarm LSS_failedMobileTermLocRequestRateExceeded indicates meeting a threshold of the Mobile Termination Location Request Failure CPI.		
Remedial action: Verify that the S1-MME and SLs links are in-service/normal, using link_cli. Refer to the Location Based Services failure counters to get a more specific failure reason. Contact Alcatel-Lucent Customer Support to determine the status of the SMLC that are involved in the LCS procedure.		

Table 19-154 MmeLSS_failedNetwrkInducedLocRequestRateExceeded

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_failedNetwrkInducedLocRequestRateExceeded (3589) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: The raised alarm LSS_failedNetwrkInducedLocRequestRateExceeded indicates meeting a threshold of the Network Induced Location Request Failure CPI.		
Remedial action: Verify that the S1-MME and SLs links are in-service/normal, using link_cli. Refer to the Location Based Services failure counters to get a more specific failure reason. Contact Alcatel-Lucent Customer Support to determine the status of the SMLC that are involved in the LCS procedure.		

Table 19-155 MmeLSS_failedNumHOFwdRelocRateExceeded

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_failedNumHOFwdRelocRateExceeded (945) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: The raised alarm, LSS_failedNumHOFwdRelocRateExceeded, indicates the value of VS.cpiHwMMERelocFailures_atTarget measurement, monitored when failure on Handover request, with MME forward relocation, exceeded a threshold in the last 15 minute interval. This value computes the failure rate at the Target MME for the Handover procedure with MME relocation, and compares the calculation against provisioned thresholds for Minor, Major, and Critical alarm conditions.		
Remedial action: Look at all the failure counters for the Handover procedure with MME relocation (at the Target MME) in the PMC XML files to determine if one failure cause predominates. If one is found, check User Documentation for any remedies specific to the found cause.		

Table 19-156 MmeLSS_failedNumHOPathSwNewSgwRateExceeded

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_failedNumHOPathSwNewSgwRateExceeded (946) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: The raised alarm, LSS_failedNumHOPathSwNewSgwRateExceeded, indicates the value of VS.cpiHwSGWrelocFailures measurement, monitored when failure on Handover Path Switch request, to a different Serving Gateway, exceeded a threshold in the last 15 minute interval. This value computes the failure rate for the Handover procedure without MME relocation and with SGW relocation, and compares the calculation against provisioned thresholds for Minor, Major, and Critical alarm conditions.		
Remedial action: Look at all the failure counters for the Handover procedure without MME relocation and with SGW relocation in the PMC XML files to determine if one failure cause predominates. If one is found, check User Documentation for any remedies specific to the found cause.		

Table 19-157 MmeLSS_failedNumHOPathSwSameSgwRateExceeded

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_failedNumHOPathSwSameSgwRateExceeded (947) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases

(1 of 2)

19 – Alcatel-Lucent 9471 WMM alarms

Alarm	Attributes	Applicable major NE releases
Description: The raised alarm, LSS_failedNumHOPathSwSameSgwRateExceeded, indicates the value of VS.cpiHowNoRelocFailures measurement, monitored when failure on Handover Path Switch request, to same Serving Gateway, exceeded a threshold in the last 15 minute interval. This value computes the failure rate for the Handover procedure without MME relocation and without SGW relocation, and compares the calculation against provisioned thresholds for Minor, Major, and Critical alarm conditions.		
Remedial action: Contact Alcatel-Lucent Customer Support.		

(2 of 2)

Table 19-158 MmeLSS_failedNumHOREquiredRateExceeded

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_failedNumHOREquiredRateExceeded (948) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: The raised alarm, LSS_failedNumHOREquiredRateExceeded, indicates the value of VS.cpiHowMMERelocFailures_atSource measurement, monitored when failure on Handover request, with MME relocation, exceeded a threshold in the last 15 minute interval. This value computes the failure rate at the source MME for the Handover procedure with MME relocation, and compares the calculation against provisioned thresholds for Minor, Major, and Critical alarm conditions.		
Remedial action: Look at all the failure counters for the Handover procedure with MME relocation (at the Source MME) in the PMC XML files to determine if one failure cause predominates. If one is found, check User Documentation for any remedies specific to the found cause.		

Table 19-159 MmeLSS_failedS1MMEconnEstRateExceeded

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_failedS1MMEconnEstRateExceeded (950) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: The raised alarm, LSS_failedS1MMEconnEstRateExceeded, indicates the value of VS.cpiS1MMEconnFailures measurement, monitored when failed S1MME Connect request exceeded a threshold in the last 15 minute interval. This value computes the failure rate for the eNB connection over S1-MME, and compares the calculation against provisioned thresholds for Minor, Major, and Critical alarm conditions.		
Remedial action: Verify PLMN or TAI provisioning data, via the MME provisioning GUI. After validation of the data, if the problem persists, contact Alcatel-Lucent Customer Support.		

Table 19-160 MmeLSS_failedServiceReqsRateExceeded

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_failedServiceReqsRateExceeded (951) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: The raised alarm, LSS_failedServiceReqsRateExceeded, indicates the value of cpiServiceRequestFailures measurement, monitored when failure on Service request exceeded a threshold in the last 15 minute interval. This value computes the failure rate for the UE Service Request procedure, and compares the calculation against provisioned thresholds for Minor, Major, and Critical alarm conditions.		
Remedial action: Ensure the S11 links to the SGW are normal, using the link_cli command. If the links look normal, and the alarm persists, contact Alcatel-Lucent Customer Support.		

Table 19-161 MmeLSS_failedTAURateExceeded

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_failedTAURateExceeded (952) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: The raised alarm, LSS_failedTAURateExceeded, indicates the value of VS.cpiTauFailures measurement, monitored when failure on Tracking Area Update request exceeded a threshold in the last 15 minute interval. This value computes the failure rate for the TAU procedure, and compares the calculation against provisioned thresholds for Minor, Major, and Critical alarm conditions.		
Remedial action: Contact Alcatel-Lucent Customer Support.		

Table 19-162 MmeLSS_failedUpdBearerReqsRateExceeded

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_failedUpdBearerReqsRateExceeded (953) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: The raised alarm, LSS_failedUpdBearerReqsRateExceeded, indicates the value of cpiUpdateBearerFailures measurement, monitored when failure on Update Bearer request exceeded a threshold in the last 15 minute interval. This value computes the failure rate for the Update Bearer procedure, and compares the calculation against provisioned thresholds for Minor, Major, and Critical alarm conditions.		
Remedial action: Ensure S11 links are normal, using the link_cli command. If the links are normal, and the alarm persists, contact Alcatel-Lucent Customer Support.		

Table 19-163 MmeLSS_failedUpdDedBearerReqsRateExceeded

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_failedUpdDedBearerReqsRateExceeded (954) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: The raised alarm, LSS_failedUpdDedBearerReqsRateExceeded, indicates the value of VS.cpiUpdateDedicatedBearerFailures measurement, monitored when failure on Update Dedicated Bearer request exceeded a threshold in the last 15 minute interval. This value computes the failure rate for the Update Dedicated Bearer procedure, and compares the calculation against provisioned thresholds for Minor, Major, and Critical alarm conditions.		
Remedial action: Verify that S11 links are normal, using the link_cli command. If links are normal, and the alarm persists, contact Alcatel-Lucent Customer Support.		

Table 19-164 MmeLSS_featureLockDataReset

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_featureLockDataReset (2866) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: Required Feature License Key is missing.		
Remedial action: Contact Alcatel-Lucent Customer Support for featureLockDataReset alarm. If needed, obtain and install a new valid Feature License Key.		

Table 19-165 MmeLSS_fru

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_fru (957) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: When performing SIM fru procedure, failures that occur will result in the generation of FRU alarm.		
Remedial action: Based on the type of failure encountered, recovery actions may vary. If the FRU alarm is generated, contact Alcatel-Lucent Customer Support. Once the failure is corrected, a resumption of the SIM procedures will automatically clear the alarm.		

Table 19-166 MmeLSS_fsguiLoginSecurityAlert

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_fsguiLoginSecurityAlert (959) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: This alarm indicates that someone attempted to login a valid FS GUI user account with an invalid password		
Remedial action: Determine if the alarm was caused by inadvertently by authorized personnel or was an attempted security breach; in the latter case, report to local law enforcement authorities The user account is disabled as a result; the login will have to be enabled again from FSGUI administrator login		

Table 19-167 MmeLSS_gatewayRegistered

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_gatewayRegistered (962) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: This information only alarm is generated when a Gateway registers or reconnects using an H.248 Failover, Handoff or Disconnect serviceChangeMethod and H248 device server detects that it has successfully connected to the associated gateway.		
Remedial action: Informational only - no corrective action needed.		

Table 19-168 MmeLSS_ggsnDnsError

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_ggsnDnsError (3310) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: GGSN DNS Selection unable to retrieve IP Address.		
Remedial action: Verify that the GGSN IP Address is provisioned correctly on DNS server. Manually clear the alarm.		

Table 19-169 MmeLSS_grow

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_grow (964) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: When performing SIM grow procedure, failures that occur will result in the generation of GROW alarm.		
Remedial action: Based on the type of failure encountered, recovery actions may vary. If the GROW alarm is generated, contact Alcatel-Lucent Customer Support. Once the failure is corrected, a resumption of the SIM procedures will automatically clear the alarm.		

Table 19-170 MmeLSS_hostDown

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_hostDown (966) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: A Service Host abnormally transitioned to an out-of-service state. (Note, this alarm will only be generated if the mate Service Host is in-service.)		
Remedial action: In general, the first few occurrences of the abnormal termination is automatically recovered by integrity software on the Service Host, in which case no manual action is necessary. When automatic recovery occurs the alarm clears automatically as well. However, if the unexpected event causing the abnormal termination occurs at a frequent enough rate, the Service Host can be left in a permanent Unavailable state. If in this state the alarm will not be cleared automatically and manual action is necessary to restore the Service Host. Bringing a Service Host software back to an In-Service state can be initiated from the MI. Ultimately, the reason for the abnormal termination needs to be determined and a fix provided. Fortunately, debugging output is sent to the MI Log File and core files are typically generated when these conditions occur. To aid Alcatel-Lucent Customer Support in providing a fix, the storage of the MI Log File and the collection of any core files at the time the error occurred should be done and made available. The location of generated core files is /var/core on the Service host that experienced the abnormal termination.		

Table 19-171 MmeLSS_hostEthernetError

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_hostEthernetError (967) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: The CS hasn't received a Poll Request from the Host/LLC.		
Remedial action: None, this is an INFO alarm.		

Table 19-172 MmeLSS_hoststateChange

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_hoststateChange (968) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: A Service Host has changed state.		
Remedial action: Informational only - no corrective action needed.		

Table 19-173 MmeLSS_ipmcAlert

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_ipmcAlert (970) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: The system detected a reboot/reset/shutdown signal for a specific card.		
Remedial action: Contact Alcatel-Lucent Customer Support if the card cannot recover itself.		

Table 19-174 MmeLSS_maxDurationExpiredOnHRPDhandover

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_maxDurationExpiredOnHRPDhandover (974) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: The raised alarm, LSS_maxDurationExpiredOnHRPDhandover, indicates the value of VS.cpiMaxDurationHRPDhandover measurement, monitored when timed out on HRPD handover request exceeded a threshold in the last 15 minute interval. This value is the maximum time taken to perform a Handover to HRPD.		
Remedial action: Check the network routers for possible network delay. When the MME is programmed to include internal delay measurements, check these PMC values.		

Table 19-175 MmELSS_memoryOverload

Alarm	Attributes	Applicable major NE releases
Name: MmELSS_memoryOverload (975) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: This alarm indicates the memory utilization on a diskless service has exceeded a threshold or a memory allocation failure has occurred. The current default thresholds are: Minor - 80, Major - 85, Critical - 90.		
Remedial action: If memory usage regularly exceeds thresholds, investigate how the call traffic load can be reduced. If it does not clear after step 1, contact Alcatel-Lucent Customer Support to check if there is a memory leak occurring.		

Table 19-176 MmELSS_mmeDnsError

Alarm	Attributes	Applicable major NE releases
Name: MmELSS_mmeDnsError (2873) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: MME DNS Selection unable to retrieve MME IP Address associated with FQDN.		
Remedial action: Verify that the FQDN is provisioned correctly in DNS server. Manually clear the alarm.		

Table 19-177 MmELSS_mmeExternalLinkDown

Alarm	Attributes	Applicable major NE releases
Name: MmELSS_mmeExternalLinkDown (976) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: Communication between MME and another network entity can not be established.		
Remedial action: Verify the network entity that the MME fails to communicate with is in service. Determine that no errors exist within the IP network. If the network entity data is provisioned on MME, verify that the data is correct. If multiple links that terminate on the MIF (X1_1 or X2) are down, try switching the MIF to its hot-standby mate. If multiple links that terminate on the MPH (non-X1_1 and non-X2) are down, try switching the MPH to its hot-standby mate.		

Table 19-178 MmeLSS_mmeInternalCommunicationFailure

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_mmeInternalCommunicationFailure (977) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: Communication between active MIF member and active MAF member failed.		
Remedial action: Verify MPH, MIF and/or MAF have not been forced out-of-service. If communication is lost between the MPH and the MIF and it does not come back automatically, and MPH pool is in Active / Hot-standby state, try switching MPH to the standby member. If communication is lost between the MAF and the MIF and it does not come back automatically, and MAF pool is in Active / Hot-standby state, try switching MAF to the standby member. If communication is lost between the MIF and MPH and the MIF and MAFs and it does not come back automatically, and MIF pool is in Active / Hot-standby state, try switching MIF to the standby member.		

Table 19-179 MmeLSS_mmeLiNearingCapacityLimit

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_mmeLiNearingCapacityLimit (2874) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: The number of lawful interceptions has reached 80% of MAF capacity.		
Remedial action: Use the query option of the li_target_cli command to verify that the appropriate set of UEs are selected for lawful interception.		

Table 19-180 MmeLSS_mmeLinkMOStateChange

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_mmeLinkMOStateChange (978) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: Managed Object (MO) representing an MME external link has changed state.		
Remedial action: Informational - no corrective action required.		

Table 19-181 MmeLSS_mmeNoResetAckReceived

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_mmeNoResetAckReceived (2875) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: No RESET ACKNOWLEDGEMENT message was received from the RNC after the MME/SGSN has sent and resent a RESET message.		
Remedial action: Verify the RNC that MME/SGSN fails to get the message from with is in service. Determine that no errors exist within the IP network.		

Table 19-182 MmeLSS_mmePcmdStateChange

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_mmePcmdStateChange (979) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: The MME PCMD job has changed state.		
Remedial action: Informational only - no corrective action needed.		

Table 19-183 MmeLSS_mmeTaiFqdnError

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_mmeTaiFqdnError (2877) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: SGW DNS Selection unable to retrieve SGW IP Address associated with TAI FQDN.		
Remedial action: Verify that the MCC, MNC, and TAC are provisioned correctly.		

Table 19-184 MmeLSS_mmpiEnabledBusy

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_mmpiEnabledBusy (980) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: This alarm indicates that a successful connection has been established to the LCP's Machine-Machine Provisioning Interface (MMPI) and the MMPI interface is busy.		
Remedial action: This is an INFO alarm. This alarm does not need to be cleared.		

Table 19-185 MmeLSS_mmpiEnabledIdle

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_mmpiEnabledIdle (981) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: This alarm indicates that a connection to the LCP's Machine-Machine Provisioning Interface (MMPI) has been successfully disconnected and the MMPI interface is idle.		
Remedial action: This is an INFO alarm. This alarm does not need to be cleared.		

Table 19-186 MmeLSS_mmpiLinkFailure

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_mmpiLinkFailure (982) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: This alarm indicates that the Machine-Machine Provisioning Interface (MMPI) connection is abnormally terminated.		
Remedial action: This is an INFO alarm. This alarm does not need to be cleared.		

Table 19-187 MmeLSS_mmpiProvisioningFailure

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_mmpiProvisioningFailure (983) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: This alarm indicates that a provisioning failure occurred when configuring the LCP data through Machine-Machine Provisioning Interface (MMPI).		
Remedial action: This is an INFO alarm. This alarm does not need to be cleared.		

Table 19-188 MmeLSS_msgQueueResource

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_msgQueueResource (984) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: The alarm indicates that a resource has been exhausted in the course of program execution: Fixed length task's queue has become full and not capable of buffering an incoming message. Can not create a new queue as the maximum number of allowable queues has been reached		
Remedial action: There are no recovery actions that a craft can undertake to solve the problem stemming from the cause, as the problem is related to the configuration tables that come with a card binary image. Alcatel-Lucent Customer Support should be contacted.		

Table 19-189 MmeLSS_nodeDown

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_nodeDown (986) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: This alarm indicates that FS GUI has lost connection to a node.		
Remedial action: If this is caused by configuration server switchover or service card switchover, this alarm will be cleared automatically after successful switchover. If the problem persists, and if MI indicates the same node is in normal working condition, use the following commands: stopCNFG and then startCNFG.		

Table 19-190 MmeLSS_numberOfTuplesInUse

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_numberOfTuplesInUse (999) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: The raised alarm LSS_numberOfTuplesInUse indicates that the number of tuples currently in use in a DA (data access) table used to store dynamic database information, has reached a threshold. The DA table in question is specified in the 'Resource'. The threshold is indicated in the 'Additional Information'.		
Remedial action: Contact Alcatel-Lucent Customer Support.		

Table 19-191 MmeLSS_numTOS10gtpcRateExceeded

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_numTOS10gtpcRateExceeded (994) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: The raised alarm, LSS_numTOS10gtpcRateExceeded, indicates the value of VS.cpiGTPcResponseTO_S10 measurement, monitored when missing replies to S10(gtpc) request exceeded a threshold in the last 15 minute interval. This value computes the cpiage of Response messages that are not received over S10, and compares the calculation against provisioned thresholds for Minor, Major, and Critical alarm conditions.		
Remedial action: Check the network routers for any problems. Check to determine if any other MME elements are having problems.		

Table 19-192 MmeLSS_numTOS11gtpcRateExceeded

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_numTOS11gtpcRateExceeded (995) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: The raised alarm, LSS_numTOS11gtpcRateExceeded, indicates the value of VS.cpiGTPcResponseTO_S11 measurement, monitored when missing replies to S11(gtpc) request exceeded a threshold in the last 15 minute interval. This value computes the cpiage of Response messages that are not received over S11, and compares the calculation against provisioned thresholds for Minor, Major, and Critical alarm conditions.		
Remedial action: Verify that S11 links are normal, using the link_cli command. If links are normal, and the alarm persists, contact Alcatel-Lucent Customer Support.		

Table 19-193 MmeLSS_numTOS3gtpcRateExceeded

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_numTOS3gtpcRateExceeded (2878) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: The raised alarm, LSS_numTOS3gtpcRateExceeded, indicates the value of VS.numTOS3gtpcRateExceeded measurement, monitored when missing replies to S3(gtpc) request exceeded a threshold in the last 5 minute interval. This value computes the percentage of Response messages that are not received over S3, and compares the calculation against provisioned thresholds for Minor, Major, and Critical alarm conditions.		
Remedial action: Verify that S3 links are normal, using the link_cli command. If links are normal, and the alarm persists, contact Alcatel-Lucent Customer Support.		

Table 19-194 MmeLSS_osSecInfoModificationDetected

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_osSecInfoModificationDetected (1000) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: This alarm indicates that an unexpected modification on the security information of a host operating system has been detected by the security audit program.		
Remedial action: Access MI GUI for the detailed information of this security alarm. Investigate the problematic file identified in the additionalText string. Correct any errors found during the investigation the problem. Contact Alcatel-Lucent Customer Support as needed. Once the error has been corrected, clear the alarm from the MI GUI.		

Table 19-195 MmeLSS_osSecInformationMissing

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_osSecInformationMissing (1001) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: This alarm indicates that the security information Golden copy of a host operating system has been deleted. The Golden copy is the initial snapshot of the host operating system, which is used by the security audit program to identify possible security violations of the host operating system.		
Remedial action: Access MI GUI for the detailed information of this security alarm. Investigate the problematic file identified in the additionalText string. Correct the problem by performing a Security Audit on this host from MI GUI to re-create the Golden copy. Contact Alcatel-Lucent Customer Support as needed. Once the error has been corrected, clear the alarm from MI GUI.		

Table 19-196 MmeLSS_osSecUnexpectedInformation

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_osSecUnexpectedInformation (1002) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: This alarm indicates that security audit program has detected an unexpected program currently running on a host.		
Remedial action: First access MI GUI for the detailed information about this security alarm. Investigation is needed to find out how the offending service/program got installed. The alarm can be manually cleared after removing the service/program and verifying the system integrity.		

Table 19-197 MmeLSS_patch

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_patch (1003) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: When performing SIM patch procedure, failures that occur will result in the generation of PATCH alarm.		
Remedial action: Based on the type of failure encountered, recovery actions may vary. If the PATCH alarm is generated, contact Alcatel-Lucent Customer Support. Once the failure is corrected, a resumption of the SIM procedures will automatically clear the alarm.		

Table 19-198 MmeLSS_pathAvailability

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_pathAvailability (3929) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: This alarm is raised when SCTP path becomes unavailable. The local and remote provisioned addresses need to be checked for use of the correct 2 sub-networks provided. If the provisioned addresses match the 2 physical subnets, and if all address provisioned are also correct, then the physical network that carries the subnet used in the path 'unavailable' alarm needs to be investigated for trouble. The specifics of the path are documented in the 'additionalText' field of the alarm. These alarms may need to be cleared manually: as alarms are reported when path connectivity is established, however their contents are a function of provisioned addresses (paths) that may be wrong and changed when the connection is down, and may no longer match with the path that was originally alarmed.		
Remedial action: Verify that the endpoints IP addresses on the MME are the remote entity are provisioned correctly. Verify that the network between the MME and the remote entity is functioning correctly.		

Table 19-199 MmeLSS_pgwDnsError

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_pgwDnsError (3311) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: PGW DNS Selection unable to retrieve PGW IP Address associated with APN FQDN.		
Remedial action: Verify that the FQDN is provisioned correctly in DNS server. Manually clear the alarm.		

Table 19-200 MmeLSS_pktCorruptionDetectedViaRCCLANCheck

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_pktCorruptionDetectedViaRCCLANCheck (1005) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: The LANCHECK audit has identified corrupted packets being transmitted through the network.		
Remedial action: The reason for the data corruption needs to be understood and corrected. It is possible that the Service Host Ethernet Port failed, the cabling that interconnects the Ethernet Port to the network is damaged, the Routers and/or Ethernet Switches that make up the Alcatel-Lucent SoftSwitch Network failed. Investigate each of these reasons and discount or correct. Once corrected, the alarm will be cleared.		

Table 19-201 MmeLSS_platformCommandFailure

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_platformCommandFailure (1006) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: This alarm indicates that a linux command started via crond has failed to execute on a host.		
Remedial action: Access MI GUI for the detailed information of this security alarm. Investigate the specific offending file identified in additionalText string and correct the problem. Contact Alcatel-Lucent Customer Support as needed. Once the file has been corrected, clear the alarm from the MI GUI.		

Table 19-202 MmeLSS_pmDataNotCollected

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_pmDataNotCollected (1138) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: The raised alarm LSS_pmDataNotCollected indicates that the PM process on CNFG card could not receive PM data from a service in a interval(5 minutes).		
Remedial action: Check if the card is in the network congestion status. if it could not be pinged through, please restart the card. Check if the card is in the init status. if yes, please wait for a while. If the above steps do not correct the problem, contact Alcatel-Lucent Customer Support.		

Table 19-203 MmeLSS_processDown

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_processDown (1008) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: This alarm indicates that an application process that should be running has terminated.		
Remedial action: Recovery software should automatically recover from the abnormal or maintenance event that has caused the process termination, without any manual involvement. The automatic recovery will restart just that process or will reboot the card as necessary. If the alarm does not clear or if it occurs repeatedly, contact Alcatel-Lucent Customer Support.		

Table 19-204 MmeLSS_processNotStarted

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_processNotStarted (1009) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: The processNotStarted alarm is caused if one of the following daemons has a problem starting: ipm (on all service hosts on ATCA), dhcpcd (on MI/CNFG service host on ATCA), dnssproxy (on SNS service host on ATCA), pdns server (on SNS service host on ATCA), unbound (on service host requiring resolving capabilities on ATCA), lighttpd (on MI/CNFG service host on ATCA/CPSB), sshd (on all service hosts with fixed IP address on ATCA/CPSB), ntpd (on all service hosts on ATCA).		

(1 of 2)

19 – Alcatel-Lucent 9471 WMM alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: IPM: Based on the type of failure encountered, recovery actions may vary. If the ipmStartupFailure is generated, contact Alcatel-Lucent Customer Support. Once the failure is corrected, the startup of the ipm process will automatically clear the alarm. DHCPD: Based on the type of failure encountered, recovery actions vary. If the dhcpdStartupFailure is generated, contact Alcatel-Lucent Customer Support. Once the failure is correct, the startup of the dhcpd process will automatically clear the alarm. DNSPROXY: Based on the type of failure encountered, recovery actions may vary. If the dnsproxyStartupFailure is generated, contact Alcatel-Lucent Customer Support. Once the failure is corrected, the startup of the dnsproxy process will automatically clear the alarm. PDNS SERVER: Based on the type of failure encountered, recovery actions may vary. If the pdnsStartupFailure is generated, contact Alcatel-Lucent Customer Support. Once the failure is corrected, the startup of the pdns process will automatically clear the alarm. UNBOUND: Based on the type of failure encountered, recovery actions may vary. If the unboundStartupFailure is generated, contact Alcatel-Lucent Customer Support. Once the failure is corrected, the startup of the unbound process will automatically clear the alarm. LIGHTTPD: Based on the type of failure encountered, recovery actions may vary. If the lighttpdStartupFailure is generated, contact Alcatel-Lucent Customer Support. Once the failure is corrected, the startup of the lighttpd process will automatically clear the alarm. SSHD: Based on the type of failure encountered, recovery actions may vary. If the sshdStartupFailure is generated, contact Alcatel-Lucent Customer Support. Once the failure is corrected, the startup of the sshd process will automatically clear the alarm. NTPD: Based on the type of failure encountered, recovery actions may vary. If the ntpdStartupFailure is generated, contact Alcatel-Lucent Customer Support. Once the failure is corrected, the startup of the ntpd process will automatically clear the alarm.		

(2 of 2)

Table 19-205 MmeLSS_progressMarker

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_progressMarker (1010) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: This alarm is an indication of (re)initialization/(re)configuration progression for a REM controlled service.		
Remedial action: No actions required. When the initialization/configuration of the card completes, there will be no further (progress marker) alarms for this service.		

Table 19-206 MmeLSS_provisioningError

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_provisioningError (3882) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: Missing provisioning of TAI-to-LAI mapping to MSC in 2G/3G operator for SGS based CSFB/SMS.		
Remedial action: Provision missing entries in TAI-LAI mapping table utilizing LAI in 2G/3G operator. Refer to user text in alarm.		

Table 19-207 MmeLSS_psosResource

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_psosResource (1012) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: The alarm indicates that a pSOSresource has been exhausted in the course of program execution: pSOS fixed length task's queue has become full and not capable of buffering an incoming message. pSOS cannot create a new task as the maximum number of allowable task has been reached. pSOS cannot create a new queue as the maximum number of allowable queues has been reached. pSOS cannot allocate a message buffer for a task to send a message		
Remedial action: There are no recovery actions that a craft can undertake to solve the problem stemming from the first two causes, as the problem is related to the pSOS configuration tables that come with a card binary image. Alcatel-Lucent Customer Support should be contacted. If this informational alarm is reported on the inability of the program to allocate a message buffer or to place a message on a full queue, and is affecting call processing on the card, reloading the binary image may provide temporary relief from the problem, and Alcatel-Lucent Customer Support should be contacted.		

Table 19-208 MmeLSS_remoteQueryServerFailure

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_remoteQueryServerFailure (3592) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: This alarm indicates that a host has lost connection to a remote DNS/ENUM server.		
Remedial action: The user needs to check the failed DNS server as to the nature of the server failure		

Table 19-209 MmeLSS_restore

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_restore (1013) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: When performing SIM restore procedure, failures that occur will result in the generation of RESTOR E alarm.		
Remedial action: Based on the type of failure encountered, recovery actions may vary. If the RESTOR E alarm is generated, contact Alcatel-Lucent Customer Support. Once the failure is corrected, a resumption of the SIM procedures will automatically clear the alarm.		

Table 19-210 MmeLSS_sctpEndpointInactive

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_sctpEndpointInactive (2879) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: The MME provisioning for this remote endpoint is for SCTP multi-homing (multiple IP addresses). Upon establishment of the SCTP association, the MME has detected that the provisioned IP Address indicated is inactive (is not being used by the SCTP association).		
Remedial action: Find the MME Iu-PS or Gr link corresponding to the indicated IP address. Determine whether the MME provisioned IP address is correct for this remote endpoint. Verify that no errors exist within the IP network.		

Table 19-211 MmeLSS_serviceOnewayCommunication

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_serviceOnewayCommunication (4170) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: A service might have one way communication to the Redundancy Manager and possibly other network elements.		
Remedial action: Wait approximately 1 minute 30 seconds; if the alarm does not clear autonomously, one will need to investigate why the alarm does not clear. Check and see if there are other outstanding alarms on this service that might trump the onewayCommunication alarm. Those alarms would be of type connectionLost; or any other alarms associated to the state of the service. Other alarms would indicate that a more severe problem exists on the service; and onewayCommunication could optionally be cleared at this point; as the other service based alarms most likely supersede the onewayCommunication alarm.		

Table 19-212 MmeLSS_sgsnDnsError

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_sgsnDnsError (2881) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: SGSN DNS Selection unable to retrieve SGSN IP Address associated with FQDN.		
Remedial action: Verify that the FQDN is provisioned correctly in DNS server. Manually clear the alarm.		

Table 19-213 MmeLSS_sheddingOverload

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_sheddingOverload (3883) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: This alarm indicates the message shedding severity under system overload. The two severity levels indicate the degree of shedding severity. The types of messages/calls that are shed is specific to the application and there tends to be additional types of messages impacted by the shedding as the severity increases. Currently the default thresholds between Major and Critical is 70.		
Remedial action: Verify that there is no running debug or testing tool that uses a lot of CPU/memory. If CPU or memory utilization regularly exceeds thresholds, investigate how the call traffic load can be reduced: Reengineer so less traffic is directed to this office or card. Consider replacing the overloaded card pair with higher-capacity cards. Verify if there are enough cards to handle the expected load and add additional cards as appropriate.		

Table 19-214 MmeLSS_shmcEthernetError

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_shmcEthernetError (1016) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: The Ethernet link to the Shelf Management Card (ShMC) has failed.		
Remedial action: Verify the hub port corresponding to this server by telnet to the hub card. Correct or replace the hub as necessary. Verify that the shelf management cards are running on active/standby status by 'cli shmstatus' command on shelf management card. Correct the status as necessary.		

Table 19-215 MmeLSS_simxml

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_simxml (1017) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: When performing simxml procedure, failures that occur will result in the generation of SIMXML alarm.		
Remedial action: Based on the type of failure encountered, recovery actions may vary. If the SIMXML alarm is generated, contact Alcatel-Lucent Customer Support. Once the failure is corrected, a resumption of the SIM procedures will automatically clear the alarm.		

Table 19-216 MmeLSS_softwareAllocatedResourceOverload

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_softwareAllocatedResourceOverload (1018) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: This alarm indicates that the utilization of a pre-allocated resource by software has exceeded thresholds. The resource could be internal buffer, data structure array, table entries, etc.		
Remedial action: Consider reengineering so that less traffic is directed to this service. If condition persists, contact Alcatel-Lucent Customer Support.		

Table 19-217 MmeLSS_softwareComponentStandbyNotReady

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_softwareComponentStandbyNotReady (1020) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: The state of the software component, Virtual Machine (VM) that is executing on the Service Host is standby-cold or standby-cool		
Remedial action: Generally, no manual action is necessary. Integrity software on the Service Host takes care of automatic recovery from the standby-cold/standby-cool state. When automatic recovery occurs the alarm clears automatically as well. The timing for each VM to come up is different. Since this alarm will fire during the NOR MAL init time, it should not treat as a problem until 10 minutes later. If the alarm does not clear after one interval, contact Alcatel-Lucent Customer Support.		

Table 19-218 MmeLSS_softwareComponentStateChange

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_softwareComponentStateChange (1021) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: A Software Component executing on a Service Host has changed state.		
Remedial action: Informational only - no corrective action needed.		

Table 19-219 MmeLSS_svcdegrow

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_svcdegrow (1022) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: When performing SIM service degrow (svcdegrow) procedure, failures that occur will result in the generation of SVCDEGROW alarm.		
Remedial action: Based on the type of failure encountered, recovery actions may vary. If the SVCDEGROW alarm is generated, contact Alcatel-Lucent Customer Support. Once the failure is corrected, a resumption of the SIM procedures will automatically clear the alarm.		

Table 19-220 MmeLSS_svcgrow

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_svcgrow (1023) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: When performing SIM service grow (svcgrow) procedure, failures that occur will result in the generation of SVCGROW alarm.		
Remedial action: Based on the type of failure encountered, recovery actions may vary. If the SVCGROW alarm is generated, contact Alcatel-Lucent Customer Support. Once the failure is corrected, a resumption of the SIM procedures will automatically clear the alarm.		

Table 19-221 MmeLSS_swVersionMismatch

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_swVersionMismatch (1024) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: The software version running on this service member does not match the version that should be running according to the database table IPCFG_POOL_MEMBERS, field build_sec.		
Remedial action: On the MI, run the remVersCheck command. It should show that for this service member, build_sec disagrees between the database and the running binary. Check whether either of them agrees with the service zip file. If the database and zip agree, initialize the service member. Otherwise, contact Alcatel-Lucent Customer Support.		

Table 19-222 MmeLSS_taiFqdnError

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_taiFqdnError (3312) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: SGW DNS Selection unable to retrieve SGW IP Address associated with TAI FQDN.		
Remedial action: Verify that the FQDN is provisioned correctly in DNS server. Manually clear the alarm.		

Table 19-223 MmeLSS_tftpDownloadCorrupt

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_tftpDownloadCorrupt (1025) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: A problem was encountered during the checking of an service's application zip file that was transferred using TFTP from the CNFG host.		
Remedial action: If the Additional Info field looks like TftpOpen() Failure Ret(hexadecimal error number), IOR et(hexadecimal error number), File(service application zip file name and path), IP(hexadecimal version of the CNFG host IP) continue on to step 2. Otherwise, goto step 3. Check the file name and path on the indicated CNFG host and ensure that is readable by all. If not performing SU or Path, recover file from mate CNFG host. reboot the host issuing the alarm If the alarm persists. Contact the Alcatel-Lucent Customer Support		

Table 19-224 MmeLSS_upgrade

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_upgrade (1027) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: When performing Software Upgrade (SU) related activities (which includes bkupSys and SIM upgrade procedure), failures that occur will result in generation of SU alarm.		
Remedial action: Based on the type of failure encountered, recovery actions may vary. If the SU alarm is generated, contact Alcatel-Lucent Customer Support. Once the failure is corrected, a resume of the SIM procedures will automatically clear the alarm. For bkupSys, once the failure is corrected re-executing bkupSys will automatically clear the alarm.		

Table 19-225 MmeLSS_virtualClusterDown

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_virtualClusterDown (1029) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: A Virtual Cluster spanning a pair of Service Hosts abnormally transitioned to an out-of-service state. (Note, a Virtual Cluster is a logical grouping of a pair of Software Components. Each Software Component executes on a separate Service Host and typically runs Active and Standby.)		
Remedial action: If this alarm persists, contact Alcatel-Lucent Customer Support.		

Table 19-226 MmeLSS_virtualClusterStateChange

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_virtualClusterStateChange (1030) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: A Virtual Cluster (which is a logical grouping of a pair of Software Components that typically run Active and Standby) spanning a pair of Service Hosts has changed state.		
Remedial action: Informational - no corrective action required.		

Table 19-227 MmeLSS_waitingDataBaseConnection

Alarm	Attributes	Applicable major NE releases
Name: MmeLSS_waitingDataBaseConnection (1031) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: This alarm can be displayed during initiating application virtual cluster (startFS or startCNFG), when host_manager waits for wimdb to set the flag allowing applications to connect to the database		
Remedial action: Host_manager will automatically try to connect every five seconds. Wait for a while, let wimdb and database get ready; host_manager will connect to database automatically, and the alarm will be cleared. In case this does not work, the user needs to manually bring down the database: sudo RCCmachoffline -u and then bring it up again: sudo RCCmachonline and then startFS		

Table 19-228 MmeRALARM_Loop

Alarm	Attributes	Applicable major NE releases
Name: MmeRALARM_Loop (1032) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: The alarm board provides 2 external input ports. If either of these loops are closed, a loop alarm will be generated.		
Remedial action: loop 1 - Verify/replace circuit breakers/fuses. loop 2 - Depends on what device (e.g. temperature sensor) is connected to the external input. loops unavailable - contact Alcatel-Lucent Customer Support. If the problem persists, contact Alcatel-Lucent Customer Support.		

Table 19-229 MmeRALARM_Power

Alarm	Attributes	Applicable major NE releases
Name: MmeRALARM_Power (1033) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: This alarm indicates a problem with the -48V, A feed or B feed, power to the Power Distribution Unit.		
Remedial action: Check the Power Distribution Units LEDs, circuit breakers, fuses, and power feeds. Replace the faulty alarm card, circuit breakers, fuses, or power feeds. If the problem persists, contact Alcatel-Lucent Customer Support.		

Table 19-230 MmeSYS_BackupFailure

Alarm	Attributes	Applicable major NE releases
Name: MmeSYS_BackupFailure (1034) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: The backup of an SNE has failed. On the next successful backup, this alarm will clear.		
Remedial action: If the additionalText of the alarm states 'Fail to get AccessKey for ESCHost/LNG application...', you need to set up userid/password on corresponding esc/lng in 'Configuration Management' --> 'Backup Management' --> 'Login Administration' panel on MI GUI first. Attempt another backup. If the problem persists, contact Alcatel-Lucent Customer Support.		

Table 19-231 MmeSYS_Configuration

Alarm	Attributes	Applicable major NE releases
Name: MmeSYS_Configuration (1035) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: A possible configuration problem has been detected on the MI.		
Remedial action: If the specificProblem is MissingScheduledBackups: Run mi_audit -a sched_backups on the active MI to get a list of the devices that do not have a scheduled backup. For those devices, schedule a backup job using the MI GUI, Configuration Management->Backup Management->Scheduling Run mi_audit -a sched_backups on the active MI to clear the alarm once all required backups are scheduled. If the specificProblem is PMDisabled: Run PMcontrol --master start on the active MI to enable PM collection. This will enable PM collection on the MI and automatically clear this alarm. If the specificProblem is NTPServerNotConfigured: Configure at least one NTP server. For ATCA, to add and configure an NTP server, refer to the section 'To add or delete remote NTP servers IP addresses' in the Alcatel-Lucent 5400 Linux Control Platform Configuration Management, 270-702-014 and 'To setup secure NTP configuration' in the Alcatel-Lucent 5400 Linux Control Platform Security Management, 270-702-015. For CPSB, to add and configure an NTP server, refer to the section 'To add or delete NTP server IP address' and 'Setup secure NTP configuration' in the Alcatel-Lucent Control Platform 1800 Operations, Administration, Maintenance and Provisioning, 270-900-872. Run mi_audit -a ntp on the active MI to clear the alarm. If the specificProblem is NTPServerNotReachable: Run ntpconf_admin --action show_server to see the configured NTP server IP address(es). Resolve the connectivity problem to the intended NTP server. The NTP server should be pingable from the MI. Run mi_audit -a ntp on the active MI to clear the alarm. If the specificProblem is MaintModeEnabled: This alarm will be raised when the MI is placed into maintenance mode for any maintenance activity using the mi_maint on cmd. It will be cleared when taken out of maintenance mode, using the mi_maint off cmd. If for some reason the alarm is not cleared and the maintenance flag is off (verify with mi_maint status cmd), run mi_audit -a maint_mode on the active MI to clear the alarm.		

Table 19-232 MmeSYS_CPM_USERDATA_INCONSITENCY

Alarm	Attributes	Applicable major NE releases
Name: MmeSYS_CPM_USERDATA_INCONSITENCY (3597) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: A possible CPM user data inconsistency problem has been detected on the MI.		
Remedial action: Login to active MI as root execute 'mividstat -a' Make sure CPM is enabled and Connection Health Check is Yes. If not, please refer to CDOC 270-702-015 section 'CPM and RBAC' to enable CPM. If CPM status is OK and there is such alarm. Please contact Alcatel-Lucent Customer Support for further support. Once the issue is resolved, this alarm should be cleared manually from the MI GUI.		

Table 19-233 MmeSYS_CPM_USERDATA_RESTORED

Alarm	Attributes	Applicable major NE releases
Name: MmeSYS_CPM_USERDATA_RESTORED (3598) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases

(1 of 2)

19 – Alcatel-Lucent 9471 WMM alarms

Alarm	Attributes	Applicable major NE releases
Description: CPM audit restore user's data after it finds issue.		
Remedial action: Login to active MI as root execute 'mividstat -a' Make sure CPM is enabled and Connection Health Check is Yes. If not, please refer to CDOC 270-702-015 section 'CPM and RBAC' to enable CPM. If CPM status is OK and there is such alarm. Please contact Alcatel-Lucent Customer Support for further support. Once the issue is resolved, this alarm should be cleared manually from the MI GUI.		

(2 of 2)

Table 19-234 MmeSYS_EventQueueCapacity

Alarm	Attributes	Applicable major NE releases
Name: MmeSYS_EventQueueCapacity (1036) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: The MI event queue is nearing or has exceeded it's capacity.		
Remedial action: If the problem persists, contact Alcatel-Lucent Customer Support.		

Table 19-235 MmeSYS_IPsecConfig

Alarm	Attributes	Applicable major NE releases
Name: MmeSYS_IPsecConfig (1037) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: Missing or obsolete SNMP Trap subnets found in the IPsec configuration file on the MI-Agent.		
Remedial action: A change to the IPsec configuration is needed. Please refer to the procedure described in the section titled 'To configure IPsec SNMP trap entries' in the 'Alcatel-Lucent 5400 Linux Control Platform, Security Management' guide for the ATCA platform, or in the 'Alcatel-Lucent Control Platform 1800 OAMP' guide for the CPSB platform.		

Table 19-236 MmeSYS_LinkDown

Alarm	Attributes	Applicable major NE releases
Name: MmeSYS_LinkDown (1038) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: A linkDown alarm signifies that the operational status for one of the communication links is about to enter the down state. The name/index of the interface is identified in the specificProblem of the alarm.		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: Verify the cabling. Verify the far-end of the link.		

(2 of 2)

Table 19-237 MmeSYS_NotifyDisabled

Alarm	Attributes	Applicable major NE releases
Name: MmeSYS_NotifyDisabled (1039) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: This alarm occurs when a user login is temporarily disabled, yet the user during this period attempts to login with the correct userid and password. User Intervention by a Security Administrator is not required when an user is temporarily disabled as long as no more logins are attempted within fifteen minutes interval. If a user becomes locked then an additional alarm (SYS_NotifyLocked) will be generated thus Security Administrator intervention will be required.		
Remedial action: Contact the user of this userid to determine if they are aware of these attempts to log on to the system using this userid. Determine whether any security violations occurred and report accordingly. Manually clear this alarm from the MI Alarm Browser.		

Table 19-238 MmeSYS_NotifyLocked

Alarm	Attributes	Applicable major NE releases
Name: MmeSYS_NotifyLocked (1040) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: This alarm occurs when a user is locked out from being able to Log in due to repeated consecutive login failures. User Intervention by a Security Administrator is required to unlock the account.		
Remedial action: Contact the user of this userid to determine if they are aware of these attempts to log on to the system using this userid. Determine whether any security violations occurred and report accordingly Log onto NavisID GUI and unlock this user's account if appropriate. Manually clear this alarm from the MI Alarm Browser.		

Table 19-239 MmeSYS_RADIUS_TO_LDAP_FAILURE

Alarm	Attributes	Applicable major NE releases
Name: MmeSYS_RADIUS_TO_LDAP_FAILURE (1042) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: This alarm occurs when RADIUS fails to connect to LDAP during user authentication attempt		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: This Alarm clears automatically when the fault condition is no longer present. Log in to active MI (ATCA) as root execute 'mivdstat -a' Make sure that Radius/LDAP Connection Health Check is Yes Check the /var/log/auth.log for detailed information. You may also use the Security and Audit Trail Log Viewer on the MI-agent GUI to view this log.		

(2 of 2)

Table 19-240 MmeSYS_ROOT_ACCESS_DENIED

Alarm	Attributes	Applicable major NE releases
Name: MmeSYS_ROOT_ACCESS_DENIED (1043) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: This alarm occurs when a user makes three attempts within a 30 minute period to log onto the LCP hosts as root user id from a restricted domain.		
Remedial action: This Alarm should be cleared manually. Need to find out where the user is trying to log in from to further verify whether this is a legitimate user. Check the /var/log/auth.log for detailed information. You may also use the Security and Audit Trail Log Viewer on the MI-agent GUI to view this log.		

Table 19-241 MmeSYS_ROOT_FTP_VIOLATION

Alarm	Attributes	Applicable major NE releases
Name: MmeSYS_ROOT_FTP_VIOLATION (1044) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: This alarm occurs when an user try to login the system three times as root with wrong password in less 30 seconds.		
Remedial action: Need to find out where is the user attempted to log in. Check the /var/log/auth.log for detailed information.		

Table 19-242 MmeSYS_ROOT_LOGIN_VIOLATION

Alarm	Attributes	Applicable major NE releases
Name: MmeSYS_ROOT_LOGIN_VIOLATION (1045) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: This alarm occurs when an user try to login the system three times as root with wrong password in less 30 seconds.		
Remedial action: Need to find out where is the user attempted to log in. Check the /var/log/auth.log for detailed information.		

Table 19-243 MmeSYS_ROOT_SSH_LOGIN_VIOLATION

Alarm	Attributes	Applicable major NE releases
Name: MmeSYS_ROOT_SSH_LOGIN_VIOLATION (2883) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: This alarm occurs when a user unsuccessfully attempts to ssh as root user onto the LCP host three times within 30 minutes. NOTE: If Disable Root SSH External Access feature is enabled, any external ssh as root attempt to the LCP host will be rejected and treated as a login failure.		
Remedial action: Need to check the /var/log/auth.log to identify the IP of the originating ssh request and attempt to identify the user attempting access the LCP host as root userid. Check the /var/log/auth.log for detailed information. The alarm must be manually cleared on the MI GUI.		

Table 19-244 MmeSYS_SetupAAAFailure

Alarm	Attributes	Applicable major NE releases
Name: MmeSYS_SetupAAAFailure (3599) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: A possible CPM configuration problem has been detected on the MI.		
Remedial action: Login to active MI as root execute 'mividstat -a' Make sure CPM is enabled and Connection Health Check is Yes. If not, please refer to CDOC 270-702-015 section 'CPM and RBAC' to enable CPM. Check all the diskful and diskless blades are in service. Please contact Alcatel-Lucent Customer Support for further support. Once the issue is resolved, this alarm should be cleared manually from the MI GUI.		

Table 19-245 MmeSYS_SNETrapOverload

Alarm	Attributes	Applicable major NE releases
Name: MmeSYS_SNETrapOverload (1046) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: The SNMP trap rate threshold for a particular SNE to the MI-Agent has been exceeded.		
Remedial action: Verify the sanity of the SNE to determine what is causing it to send excessive SNMP traps to the MI-Agent. As the cause for excessive traps can vary by instance, use standard fault detection techniques such as viewing alarms and/or network events at the MI-Agent, visual inspection of the SNE for external alarms and/or loose cables, and running diagnostic test to assist in determining the cause.		

Table 19-246 MmeSYS_SNMPAuthenticationFailure

Alarm	Attributes	Applicable major NE releases
Name: MmeSYS_SNMPAuthenticationFailure (1047) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: Signifies that an SNE managed by the MI is the addressee of an improperly authenticated network protocol message. SNMP community name and client authentication failures cause the Element Manager to generate this trap.		
Remedial action: Verify that the individual trying to access the system is a legitimate user, and that the SNMP community strings are set correctly. This alarm may be disabled by turning off the SNMP authentication traps on the SNE (providing the SNE supports this capability).		

Table 19-247 MmeSYS_SNMPFailure

Alarm	Attributes	Applicable major NE releases
Name: MmeSYS_SNMPFailure (1048) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: The MI was unable to communicate to a host via its SNMP interface.		
Remedial action: Verify that the ethernet cable is connected and in working order. Verify that the SNE may be ICMP-pinged over the same interface to determine whether it is an SNMP problem or a more general IP problem. If the problem is an IP problem, verify that the routers/switches are configured correctly. If the problem is only an SNMP problem and persists over several polling cycles, contact Alcatel-Lucent Customer Support.		

Table 19-248 MmeSYS_SU_TO_ROOT_FAILURE

Alarm	Attributes	Applicable major NE releases
Name: MmeSYS_SU_TO_ROOT_FAILURE (1049) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: This alarm occurs when a user makes three failed attempts within a 30 minute period to su to become root user. This alarm will occur if you entered the wrong password for root three times during the 30 minute interval when attempting to su to root user.		
Remedial action: This Alarm should be cleared manually. Need to find out where the user is trying to log in from to further verify whether this is a legitimate user. Need to check the user's CLI shell history to investigate for possible suspicious activity. Check the /var/log/auth.log for detailed access information. Check the /var/log/bash.log to investigate the user's cli activity. You may also use the Security and Audit Trail Log Viewer on the MI-agent GUI to view these logs.		

Table 19-249 MmeSYS_SYSTEMTrapOverload

Alarm	Attributes	Applicable major NE releases
Name: MmeSYS_SYSTEMTrapOverload (1050) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: The SNMP trap rate threshold for a collection of SNEs to the MI-Agent has been exceeded.		
Remedial action: Verify the sanity of all SNEs in the system to determine which ones are sending excessive SNMP traps to the MI-Agent. As the cause for excessive traps can vary by instance, use standard fault detection techniques such as viewing alarms and/or network events at the MI-Agent, visual inspection of the SNE for external alarms and/or loose cables, and running diagnostic test to assist in determining the cause.		

Table 19-250 MmeSYS_TestAlarm

Alarm	Attributes	Applicable major NE releases
Name: MmeSYS_TestAlarm (2884) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: This alarm is for testing only. There is no problem being reported. It is used to test the alarm handling functionality on the MI, from creation of an alarm on the MI to forwarding out through the MI's northbound interface. This alarm should be manually cleared when testing is completed.		
Remedial action: There is no recovery needed, as this is just a test alarm. The alarm can be cleared manually on the MI GUI, or by running <code>mi_testalarm -s Clear</code> on the active MI.		

Table 19-251 MmeSYS_ThresholdCrossed

Alarm	Attributes	Applicable major NE releases
Name: MmeSYS_ThresholdCrossed (1051) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: The measurement data is not meeting the specified performance thresholds and the measurement data has reported errors that may indicate loss or degradation of functionality or capacity.		
Remedial action: Pay attention to the measurement data for which the alarm is reported. Study the state of the system to decide on a course of action.		

Table 19-252 MmeSYS_UndiscoveredObject

Alarm	Attributes	Applicable major NE releases
Name: MmeSYS_UndiscoveredObject (2885) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: One or more undiscovered objects have been detected on the MI.		
Remedial action: On the MI GUI, run Tools->Global Discovery. If this does not clear the alarm, run the following command on the active MI host: If specificProblem is MissingSNE:<ip address>: mi_audit -a disc_sne If specificProblem is MissingHardware: mi_audit -a disc_hw If specificProblem is MissingServices: mi_audit -a disc_services If specificProblem is MissingHosts: mi_audit -a disc_hosts Contact Alcatel-Lucent Customer Support with the alarm details and the output of the mi_audit cmd.		

Table 19-253 MmeSYS_WriteAAAFailure

Alarm	Attributes	Applicable major NE releases
Name: MmeSYS_WriteAAAFailure (3600) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	All releases
Description: CPM tools failed to create scripts that are used for pump data into blades.		
Remedial action: Login to active MI (ATCA) as root execute 'mividstat -a' Make sure CPM is enabled and Connection Health Check is Yes. If not, please refer to CDOC 270-702-015 section 'CPM and RBAC' to enable CPM. Check all the diskful and diskless blades are in service. Check existence and permission(Owner:root, permission:755) for the directory /var/opt/lib/cpm/fg on active MI. Please contact Alcatel-Lucent Customer Support for further support. Once the issue is resolved, this alarm should be cleared manually from the MI GUI.		

Table 19-254 MmeUnknownAlarm

Alarm	Attributes	Applicable major NE releases
Name: MmeUnknownAlarm (1052) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: false Default probable cause: alarmIndicationSignal (96)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The alarm is raised when an unknown alarm is received from the MME system.		
Remedial action: Obtain the native MME alarm name from the additional text field. Open the 9471 MME MI GUI and locate the corresponding MME alarm. Refer to the Fault Clearance Procedure in the help documentation for the alarm.		

Table 19-255 MmeUnknownCommunicationsAlarm

Alarm	Attributes	Applicable major NE releases
Name: MmeUnknownCommunicationsAlarm (1053) Type: communicationsAlarm (4) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: false Default probable cause: UnspecifiedReason (803)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The alarm is raised when an unknown communications alarm is received from the MME system.		
Remedial action: Obtain the native MME alarm name from the additional text field. Open the 9471 MME MI GUI and locate the corresponding MME alarm. Refer to the Fault Clearance Procedure in the help documentation for the alarm.		

Table 19-256 MmeUnknownEnvironmentalAlarm

Alarm	Attributes	Applicable major NE releases
Name: MmeUnknownEnvironmentalAlarm (1054) Type: environmentalAlarm (2) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: false Default probable cause: unspecifiedReason (802)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The alarm is raised when an unknown environmental alarm is received from the MME system.		
Remedial action: Obtain the native MME alarm name from the additional text field. Open the 9471 MME MI GUI and locate the corresponding MME alarm. Refer to the Fault Clearance Procedure in the help documentation for the alarm.		

Table 19-257 MmeUnknownEquipmentAlarm

Alarm	Attributes	Applicable major NE releases
Name: MmeUnknownEquipmentAlarm (1055) Type: equipmentAlarm (3) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: false Default probable cause: unspecifiedReason (802)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The alarm is raised when an unknown equipment alarm is received from the MME system.		
Remedial action: Obtain the native MME alarm name from the additional text field. Open the 9471 MME MI GUI and locate the corresponding MME alarm. Refer to the Fault Clearance Procedure in the help documentation for the alarm.		

Table 19-258 MmeUnknownIntegrityViolationAlarm

Alarm	Attributes	Applicable major NE releases
Name: MmeUnknownIntegrityViolationAlarm (1056) Type: integrityViolationAlarm (78) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: false Default probable cause: unspecifiedReason (802)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The alarm is raised when an unknown integrity violation alarm is received from the MME system.		
Remedial action: Obtain the native MME alarm name from the additional text field. Open the 9471 MME MI GUI and locate the corresponding MME alarm. Refer to the Fault Clearance Procedure in the help documentation for the alarm.		

Table 19-259 MmeUnknownOperationalViolationAlarm

Alarm	Attributes	Applicable major NE releases
Name: MmeUnknownOperationalViolationAlarm (1057) Type: operationalViolationAlarm (79) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: false Default probable cause: unspecifiedReason (802)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The alarm is raised when an unknown operational alarm is received from the MME system.		
Remedial action: Obtain the native MME alarm name from the additional text field. Open the 9471 MME MI GUI and locate the corresponding MME alarm. Refer to the Fault Clearance Procedure in the help documentation for the alarm.		

Table 19-260 MmeUnknownPhysicalViolationAlarm

Alarm	Attributes	Applicable major NE releases
Name: MmeUnknownPhysicalViolationAlarm (1058) Type: physicalViolationAlarm (80) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: false Default probable cause: unspecifiedReason (802)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The alarm is raised when an unknown physical violation alarm is received from the MME system.		
Remedial action: Obtain the native MME alarm name from the additional text field. Open the 9471 MME MI GUI and locate the corresponding MME alarm. Refer to the Fault Clearance Procedure in the help documentation for the alarm.		

Table 19-261 MmeUnknownProcessingErrorAlarm

Alarm	Attributes	Applicable major NE releases
Name: MmeUnknownProcessingErrorAlarm (1059) Type: processingErrorAlarm (81) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: false Default probable cause: unspecifiedReason (802)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The alarm is raised when an unknown processing error alarm is received from the MME system.		
Remedial action: Obtain the native MME alarm name from the additional text field. Open the 9471 MME MI GUI and locate the corresponding MME alarm. Refer to the Fault Clearance Procedure in the help documentation for the alarm.		

Table 19-262 MmeUnknownQualityOfServiceAlarm

Alarm	Attributes	Applicable major NE releases
Name: MmeUnknownQualityOfServiceAlarm (1060) Type: qualityOfServiceAlarm (82) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: false Default probable cause: unspecifiedReason (802)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The alarm is raised when an unknown quality of service alarm is received from the MME system.		
Remedial action: Obtain the native MME alarm name from the additional text field. Open the 9471 MME MI GUI and locate the corresponding MME alarm. Refer to the Fault Clearance Procedure in the help documentation for the alarm.		

Table 19-263 MmeUnknownSecurityServiceOrMechanismViolationAlarm

Alarm	Attributes	Applicable major NE releases
Name: MmeUnknownSecurityServiceOrMechanismViolation Alarm (1061) Type: securityServiceOrMechanismViolationAlarm (83) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: false Default probable cause: unspecifiedReason (802)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The alarm is raised when an unknown mechanical violation alarm is received from the MME system.		
Remedial action: Obtain the native MME alarm name from the additional text field. Open the 9471 MME MI GUI and locate the corresponding MME alarm. Refer to the Fault Clearance Procedure in the help documentation for the alarm.		

Table 19-264 MmeUnknownTimeDomainViolationAlarm

Alarm	Attributes	Applicable major NE releases
Name: MmeUnknownTimeDomainViolationAlarm (1062) Type: timeDomainViolationAlarm (84) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: false Default probable cause: unspecifiedReason (802)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The alarm is raised when an unknown time domain violation alarm is received from the MME system.		
Remedial action: Obtain the native MME alarm name from the additional text field. Open the 9471 MME MI GUI and locate the corresponding MME alarm. Refer to the Fault Clearance Procedure in the help documentation for the alarm.		

Table 19-265 MobileConnectorDown

Alarm	Attributes	Applicable major NE releases
Name: MobileConnectorDown (1064) Type: EpcAlarm (59) Package: Iteservice Raised on class: Iteservice.MobileServiceConnector	Severity: minor Implicitly cleared: true Default probable cause: EpcDown (519)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The alarm is raised when the 5620 SAM no longer manages the EPS path instance of this mobile service site. As a result, the service must be regenerated.		
Raising condition: ('EPS Path' EQUAL "\")		
Clearing condition: ('EPS Path' NOT EQUAL "\")		
Remedial action: The underlying transport network has gone down resulting in the deletion of a mobile service connector (EPS path). Correct the issue with the transport network and regenerate the mobile service connector by clicking on the re-calculate button on the mobile service properties form.		

Table 19-266 NeManagementAndTrapManagementMismatch

Alarm	Attributes	Applicable major NE releases
Name: NeManagementAndTrapManagementMismatch (1079) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: neManagementChange (817)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: This user-defined alarm is raised when the NE configuration is one of the following: - The Active Management IP is set to Out Of Band, and the Primary Route Preference is set to In Band. - The Active Management IP is set to In Band, and the Primary Route Preference is set to Out of Band.		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Raising condition: (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only')) AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only')) AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'Out Of Band'))))		
Clearing condition: (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only')) AND ('Primary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only')) AND ('Primary Route Preference' EQUAL 'Out Of Band'))))		
Remedial action: A configuration error has been made which must be corrected. The parameters described in the description for this alarm must match.		

(2 of 2)

Table 19-267 netconfEventReplayFailure

Alarm	Attributes	Applicable major NE releases
Name: netconfEventReplayFailure (5389) Type: communicationsAlarm (4) Package: Itemme Raised on class: Itemme.MmeInstance	Severity: critical Implicitly cleared: false Default probable cause: MmInternalProcessingError (1421)	<ul style="list-style-type: none"> 6.0.0 7.0.0 7.1.0 8.0.0
Description: Replay of the NETCONF notification event buffer has failed and 5620 SAM is no longer attempting to replay old events. Any Performance Measurement Statistics files that 5620 SAM was trying to replay must be manually retrieved from the 9471 WMM. The additionalText field of the alarm displays the timestamp of the last successful NETCONF notification that 5620 SAM has processed after server startup. If the additionalText field is empty, we have not processed any NETCONF notifications since the 5620 SAM started and any missing files need to be manually retrieved from the 9471 WMM. New NETCONF event notifications are still processed as normal.		
Remedial action: Replay of the NETCONF notification event buffer has failed and 5620 SAM is no longer attempting to replay old events. Any Performance Measurement Statistics files that 5620 SAM was trying to replay must be manually retrieved from the 9471 WMM. The additionalText field of the alarm displays the timestamp of the last successful NETCONF notification that 5620 SAM has processed after server startup. If the additionalText field is empty, we have not processed any NETCONF notifications since the 5620 SAM started and any missing files need to be manually retrieved from the 9471 WMM. New NETCONF event notifications are still processed as normal.		

Table 19-268 NewSsh2ServerKeyDetected

Alarm	Attributes	Applicable major NE releases
Name: NewSsh2ServerKeyDetected (285) Type: communicationsAlarm (4) Package: security Raised on class: security.KnownHostKey	Severity: warning Implicitly cleared: true Default probable cause: ssh2ServerKeyMismatch (217)	<ul style="list-style-type: none"> 6.0.0 7.0.0 7.1.0 8.0.0
Description: The alarm is raised when a 5620 SAM main server detects a new public SSH key.		
Raising condition: ('SSH2 Server Key Status' EQUAL 'Mismatch SSH2 Host Key')		
Clearing condition: ('SSH2 Server Key Status' EQUAL 'Active SSH2 Host Key')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: Informational - possible security breach. The SSH key of the router is different from the one known to the SAM server.		

(2 of 2)

Table 19-269 NodeDatabaseFallbackDetected

Alarm	Attributes	Applicable major NE releases
Name: NodeDatabaseFallbackDetected (2923) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseFallback (1121)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The alarm is raised when a configuration fallback is detected on the node and comes back up with a previous configuration. To correct this situation it might be necessary to reconfigure the node, or perform full resync its database with the 'fallback' configuration returned by the node.		
Raising condition: ('State' EQUAL 'Node Configuration Fallback')		
Clearing condition: ('State' EQUAL 'Managed')		
Remedial action: the NE has come back to a previous configuration. Perform a manual Full Resync or a Reconfigure of the NE		

Table 19-270 NodeDatabaseMisalignmentDetected

Alarm	Attributes	Applicable major NE releases
Name: NodeDatabaseMisalignmentDetected (2924) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseMisalignment (1122)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The alarm is raised when a configuration misalignment has been detected on the node and comes back up with an unexpected configuration (configuration change triggered by external tool) To correct this situation it might be necessary to reconfigure the node with the 5620 SAM's old configuration or accept the new configuration received from the node.		
Raising condition: ('State' EQUAL 'Node Configuration Misalignment')		
Clearing condition: ('State' EQUAL 'Managed')		
Remedial action: the NE configuration is misaligned. Perform a resync in order to update SAM configuration according to the NE.		

Table 19-271 NodeRebooted

Alarm	Attributes	Applicable major NE releases
Name: NodeRebooted (32) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: false Default probable cause: nodeReboot (25)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The alarm is raised when the 5620 SAM detects an NE reboot based on the latest NE sysUpTime value.		
Remedial action: Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 19-272 NodeSuspended

Alarm	Attributes	Applicable major NE releases
Name: NodeSuspended (5123) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: NodeSuspend (2057)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The alarm is raised when the 5620 SAM detects an NE moved to suspend state as per user request.		
Raising condition: ('SNMP Reachability' EQUAL 'Suspended')		
Clearing condition: ('SNMP Reachability' NOT EQUAL 'Suspended')		
Remedial action: This alarm is raised when user suspends the network element. The alarm will be cleared when the network element is managed back.		

Table 19-273 OrphanNodeDetected

Alarm	Attributes	Applicable major NE releases
Name: OrphanNodeDetected (4866) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.AdvertisedNode	Severity: major Implicitly cleared: true Default probable cause: nodeNotManagedByAnyEms (1934)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The alarm is raised when node is not managed by any EMS after n retries(threshold crossed) it is manually cleared by the operator or when the node is discovered.		
Raising condition: ('state' EQUAL 'orphan')		
Remedial action: The NE is not managed by any SAM. Add a discovery rule in order to manage it.		

Table 19-274 OverloadedCard

Alarm	Attributes	Applicable major NE releases
Name: OverloadedCard (2941) Type: cardAlarm (100) Package: equipment Raised on class: equipment.AtcaCard	Severity: variable Implicitly cleared: true Default probable cause: overloadedCard (1132)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The alarm is raised when an ATCA card becomes overloaded.		
Raising condition: ('Overload State' EQUAL 'Critical')		
Clearing condition: ('Overload State' EQUAL 'Normal')		
Remedial action: Investigate /opt/tpa/logs/RACServer.log on the CSB to determine cause of system overload.		

Table 19-275 OverTemperatureDetected

Alarm	Attributes	Applicable major NE releases
Name: OverTemperatureDetected (388) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The alarm is raised when the chassis temperature exceeds the maximum threshold value.		
Raising condition: ('Over Temperature State' EQUAL 'Over')		
Clearing condition: ('Over Temperature State' NOT EQUAL 'Over')		
Remedial action: The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 19-276 PartialResyncProblem

Alarm	Attributes	Applicable major NE releases
Name: PartialResyncProblem (4401) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: partialResyncProblem (1578)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The alarm is raised when an Partial Resync on an NE fails. For example, when resyncing only some MIB entries as opposed to a full resync. The periodic reachability test (sysUpTime) is not considered a partial resync, neither is a full resync. However, a PartialResyncProblem alarm can only be reset by a FullResync.		
Raising condition: ('partialResyncStatus' EQUAL 'Partial Resync Failed')		
Clearing condition: ('partialResyncStatus' EQUAL 'Partial Resync Done')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE.		

(2 of 2)

Table 19-277 PersistentIndexParametersMisconfigured

Alarm	Attributes	Applicable major NE releases
Name: PersistentIndexParametersMisconfigured (173) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: persistentIndexConfigurationMismatch (136)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The alarm is raised when persistence is set to Off in the NE BOF.		
Raising condition: (('Persistent SNMP Indices' EQUAL 'False') OR (('hasRedundantProcessorCards' EQUAL 'true') AND ('Redundant Synchronization Mode' EQUAL 'None')))		
Clearing condition: (('Persistent SNMP Indices' EQUAL 'True') AND (('hasRedundantProcessorCards' EQUAL 'false') OR ('Redundant Synchronization Mode' NOT EQUAL 'None')))		
Remedial action: A configuration error has occurred that must be corrected. Use the CLI on the NE to enable persistency in the BOF. The discovery process will complete on the next discovery scan. A re-scan can be triggered immediately for the NE from within the discovery manager		

Table 19-278 PollerProblem

Alarm	Attributes	Applicable major NE releases
Name: PollerProblem (31) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: resyncFailed (24)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
Raising condition: ('Resync Status' EQUAL 'Full Resync Failed')		
Clearing condition: ('Resync Status' EQUAL 'Full Resync Done')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 19-279 PrimaryImageBootFailure

Alarm	Attributes	Applicable major NE releases
Name: PrimaryImageBootFailure (191) Type: configurationAlarm (11) Package: sw Raised on class: sw.CardSoftware	Severity: warning Implicitly cleared: true Default probable cause: bootOptionFileMisconfigured (150)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The alarm is raised when the primary software image specified in an NE BOF is unusable.		
Raising condition: (('imageSource' NOT EQUAL 'Primary') AND ('imageSource' NOT EQUAL 'Unknown'))		
Clearing condition: (('imageSource' EQUAL 'Primary') OR ('imageSource' EQUAL 'Unknown'))		
Remedial action: The SW image on the NE may have been inadvertently corrupted. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

Table 19-280 RadiusOperStatusDown

Alarm	Attributes	Applicable major NE releases
Name: RadiusOperStatusDown (3692) Type: radiusOperStatusDownAlarm (105) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: radiusOperationStatusDown (1431)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The alarm is raised when all RADIUS servers have gone down.		
Raising condition: ('Global RADIUS Operational State' EQUAL 'Down')		
Clearing condition: ('Global RADIUS Operational State' EQUAL 'Up')		
Remedial action: Verify the RADIUS server is properly configured and radius server state is up. Check the connectivity between SAM server and radius server configured on the Network element.		

Table 19-281 RcaAuditAfterNEUpgradeStatus

Alarm	Attributes	Applicable major NE releases
Name: RcaAuditAfterNEUpgradeStatus (5124) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: info Implicitly cleared: false Default probable cause: rcaAuditStatusAfterNEUpgrade (2058)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The alarm is raised when the 5620 SAM detects an NE software version upgrade and RCA audit performed.		
Remedial action: Information - Check audit results for details		

Table 19-282 ReachabilityProblem

Alarm	Attributes	Applicable major NE releases
Name: ReachabilityProblem (243) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ReachabilityTestFailed (176)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The alarm is raised when an Mediation poll of the SysUpTimeAlarm object on an NE fails, for example, because of network congestion or because the NE is too busy to respond. The probable cause is an unreachable NE Mediation agent on the NE. By default, the 5620 SAM polls a managed NE every two minutes. If a poll fails, the alarm is raised. The 5620 SAM polls the NE two minutes after the first failure. If successive polls fail, the 5620 SAM raises the polling interval for the NE by two minutes after each failure to a maximum of 12 min. The polling interval remains at 12 min until the 5620 SAM receives a response from the NE. The alarm clears when the 5620 SAM receives a response from the NE, and the 5620 SAM GUI icon that represents the NE turns from red to green.		
Raising condition: ('SNMP Reachability' EQUAL 'Down')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 19-283 ReconfigFailure

Alarm	Attributes	Applicable major NE releases
Name: ReconfigFailure (1949) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: failedReconfig (937)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: This alarm is raised when the reconfig action failed.		
Raising condition: ('State' EQUAL 'Failed')		
Clearing condition: ('State' NOT EQUAL 'Failed')		
Remedial action: Verify that the object is configured as expected.		

Table 19-284 Registered4GUEsExceeded

Alarm	Attributes	Applicable major NE releases
Name: Registered4GUEsExceeded (5048) Type: communicationsAlarm (4) Package: Itemme Raised on class: Itemme.MmeInstance	Severity: info Implicitly cleared: false Default probable cause: ThresholdExceeded (2052)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The alarm is raised when the number of 4G Registered UEs exceeds the threshold that has been set by the operator.		
Raising condition: (('4G Registered UEs Threshold' NOT EQUAL '0L') AND ('4G Registered UEs' > '4G Registered UEs Threshold'))		
Remedial action: Informational - no corrective action required.		

Table 19-285 RegisteredIdle4GUEsExceeded

Alarm	Attributes	Applicable major NE releases
Name: RegisteredIdle4GUEsExceeded (5049) Type: communicationsAlarm (4) Package: Itemme Raised on class: Itemme.MmeInstance	Severity: info Implicitly cleared: false Default probable cause: ThresholdExceeded (2052)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The alarm is raised when the number of 4G Registered Idle UEs exceeds the threshold that has been set by the operator.		
Raising condition: (('4G Registered Idle UEs Threshold' NOT EQUAL '0L') AND ('4G Registered Idle UEs' > '4G Registered Idle UEs Threshold'))		
Remedial action: Informational - no corrective action required.		

Table 19-286 SaveConfigFailed

Alarm	Attributes	Applicable major NE releases
Name: SaveConfigFailed (105) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileAccessError (90)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The alarm is raised when the admin save command on an NE fails.		
Raising condition: ('Config Save State' EQUAL 'Failure')		
Clearing condition: ('Config Save State' EQUAL 'Success')		
Remedial action: Attempt the admin save command a second time. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 19-287 ScheduledPollerProblem

Alarm	Attributes	Applicable major NE releases
Name: ScheduledPollerProblem (4386) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: scheduledResyncFailed (1569)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
Raising condition: ('Scheduled Resync Status' EQUAL 'Scheduled Resync Failed')		
Clearing condition: ('Scheduled Resync Status' EQUAL 'Scheduled Resync Done')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 19-288 StatsRetrieveFailed

Alarm	Attributes	Applicable major NE releases
Name: StatsRetrieveFailed (244) Type: configurationAlarm (11) Package: sw Raised on class: sw.AccountingStatsRetrievalManager	Severity: major Implicitly cleared: false Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The alarm is raised when the 5620 SAM main or auxiliary server cannot transfer an accounting file from an NE.		
Raising condition: (('Stats Retrieval State' NOT EQUAL 'Success') AND ('Stats Retrieval State' NOT EQUAL 'Not Attempted'))		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy or otherwise cannot respond to the 5620 SAM main or auxiliary server.		

Table 19-289 SubscriberSystemNextHopUsageHigh

Alarm	Attributes	Applicable major NE releases
Name: SubscriberSystemNextHopUsageHigh (5157) Type: thresholdCrossed (6) Package: netw Raised on class: netw.NetworkElement	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit.		
Raising condition: ('IP Next Hop Usage High' EQUAL 'true')		
Clearing condition: ('IP Next Hop Usage High' EQUAL 'false')		
Remedial action: The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit. There is no immediate effect, but when the usage actually hits the limit, new hosts will not get their managed routes.		

Table 19-290 TrapDestinationMisconfigured

Alarm	Attributes	Applicable major NE releases
Name: TrapDestinationMisconfigured (33) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: trapDestinationMisconfigured (26) Applicable probable causes: <ul style="list-style-type: none"> • trapDestinationMisconfigured • duplicateTrapLogId 	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The alarm is raised when the 5620 SAM cannot be added to the NE's SNMP trap destinations.		

(1 of 2)

19 – Alcatel-Lucent 9471 WMM alarms

Alarm	Attributes	Applicable major NE releases
Raising condition: ('isTrapDestinationMisconfigured' EQUAL 'true')		
Clearing condition: ('isTrapDestinationMisconfigured' EQUAL 'false')		
Remedial action: A configuration error has been made which must be corrected. The SNMP trap destination on the NE must be configured to the IP address of the SAM server.		

(2 of 2)

Table 19-291 TrapReceivingFailure

Alarm	Attributes	Applicable major NE releases
Name: TrapReceivingFailure (1083) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: false Default probable cause: trapsWillNotBeSent (822)	<ul style="list-style-type: none"> 6.0.0 7.0.0 7.1.0 8.0.0
Description: This user-defined alarm is raised when the NE is unable to send traps because the NE configuration is one of the following: - The Management IP Selection is set to Out Of Band Only, the Primary Route Preference is set to In Band, and the Secondary Route Preference is set to None. - The Management IP Selection is set to In Band Only, the Primary Route Preference is set to Out Of Band, and the Secondary Route Preference is set to None.		
Raising condition: (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band') AND ('Primary Route Preference' EQUAL 'Out Of Band Preferred') AND ('Secondary Route Preference' EQUAL 'None'))))		
Clearing condition: (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND (('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND (('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND (('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND (('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND (('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND (('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band'))))		
Remedial action: A configuration error has been made which must be corrected. The configuration error must be corrected per the discussion in the description for this alarm.		

Table 19-292 TrapRoutePreferenceRedundancyMissing

Alarm	Attributes	Applicable major NE releases
Name: TrapRoutePreferenceRedundancyMissing (1084) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: trapsRedundancyMissing (823)	<ul style="list-style-type: none"> 6.0.0 7.0.0 7.1.0 8.0.0

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Description: The user-defined alarm is raised when NE management redundancy is configured without trap route preference redundancy.		
Raising condition: (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
Clearing condition: (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Secondary Route Preference' NOT EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Secondary Route Preference' NOT EQUAL 'None'))))		
Remedial action: A configuration error has been made which must be corrected. The IP address of the standby SAM server must be configured on the NE in question.		

(2 of 2)

Table 19-293 UnidentifiedNode

Alarm	Attributes	Applicable major NE releases
Name: UnidentifiedNode (1922) Type: communicationsAlarm (4) Package: netw Raised on class: netw.DiscoveredNode	Severity: major Implicitly cleared: true Default probable cause: unidentifiedNode (922)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The alarm is raised when the node being discovered can not be properly identified.		
Raising condition: ('State' EQUAL 'Pending Identification')		
Clearing condition: ('State' NOT EQUAL 'Pending Identification')		
Remedial action: A configuration error has occurred that must be corrected. The eNodeB does not have a system name. The name can be configured by selecting the alarm, opening the associated properties form for the alarmed object and configuring the system name.		

Table 19-294 UnmanageFailed

Alarm	Attributes	Applicable major NE releases
Name: UnmanageFailed (300) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.NodeDiscoveryControl	Severity: warning Implicitly cleared: true Default probable cause: unableToDeleteNode (231)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The alarm is raised when an attempt to unmanage an NE fails.		
Raising condition: ('Site State' EQUAL 'unmanage failed')		
Clearing condition: ('Site State' NOT EQUAL 'unmanage failed')		
Remedial action: Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 19-295 unsupportedPortUsage

Alarm	Attributes	Applicable major NE releases
Name: unsupportedPortUsage (5184) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: warning Implicitly cleared: true Default probable cause: incompatiblePortUsage (2100)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The alarm is raised in case unsupported port type is configured		
Raising condition: (('portId' >= '1L') AND ('portId' <= '4L') AND ('specificCardType' EQUAL 'EASv2') AND (('Port Usage' EQUAL 'MPT-HC') OR ('Port Usage' EQUAL 'MPT-MC')))"		
Clearing condition: NOT (((('portId' >= '1L') AND ('portId' <= '4L') AND ('specificCardType' EQUAL 'EASv2') AND (('Port Usage' EQUAL 'MPT-HC') OR ('Port Usage' EQUAL 'MPT-MC')))))"		
Remedial action: This alarm indicates unsupported port usage. Port usage configured on the NE is not supported by SAM.		

Table 19-296 UpgradedBuildVersionMismatch

Alarm	Attributes	Applicable major NE releases
Name: UpgradedBuildVersionMismatch (174) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: upgradedImageNotBooted (137)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The alarm is raised when the software version that an NE reports after a software upgrade does not match the version of the software used for the upgrade.		
Raising condition: ('upgradedBuildVersionMismatch' EQUAL 'true')		
Clearing condition: ('upgradedBuildVersionMismatch' EQUAL 'false')		
Remedial action: Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 19-297 upgradedCardAlarm

Alarm	Attributes	Applicable major NE releases
Name: upgradedCardAlarm (255) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: upgradedCard (194)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The alarm is raised when the standby CPM is rebooted and operational after a software upgrade. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
Raising condition: ('operationalState' EQUAL 'Upgrade')		
Clearing condition: ('operationalState' EQUAL 'Up')		
Remedial action: Informational - no corrective action required.		

Table 19-298 VersionConfigRestoreFailed

Alarm	Attributes	Applicable major NE releases
Name: VersionConfigRestoreFailed (536) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: versionMismatch (405)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The alarm is raised when the restore procedure on an NE fails because of a mismatch between the backup file set version and the NE software version.		
Raising condition: ('lastNmsVersionRestoreState' EQUAL 'Failure')		
Clearing condition: ('lastNmsVersionRestoreState' EQUAL 'Success')		
Remedial action: The backup files being restored do not match with the version of node software release. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

Table 19-299 WmmATCA_AggregatePowerSensor

Alarm	Attributes	Applicable major NE releases
Name: WmmATCA_AggregatePowerSensor (4171) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The aggregate power sensor alarm provides a summary status of all power related conditions adversely affecting a resource. When this alarm occurs, in most cases, there will be another power related alarm that provides more details about the exact resource power sensor that is reporting the condition. From the MI GUI, alarms on a resource may be retrieved by selecting the managed object for that resource and then selecting the right-click operation to display related alarms.		
Remedial action: Investigate all other temperature and power related alarms on the resource and follow those alarms fault recovery procedures. Once all of these related alarms are cleared, this alarm will clear.		

Table 19-300 WmmATCA_AggregateTemperatureSensor

Alarm	Attributes	Applicable major NE releases
Name: WmmATCA_AggregateTemperatureSensor (4172) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The aggregate temperatures sensor alarm provides a summary status of all temperature related conditions adversely affecting a resource. When this alarm occurs, in most cases, there will be another temperature related alarm that provides more details about the exact resource temperature sensor that is reporting the condition. From the MI GUI, alarms on a resource may be retrieved by selecting the managed object for that resource and then selecting the right-click operation to display related alarms.		
Remedial action: Investigate all other temperature and power related alarms on the resource and follow those alarms fault recovery procedures. Once all of these related alarms are cleared, this alarm will clear.		

Table 19-301 WmmATCA_BoardPower

Alarm	Attributes	Applicable major NE releases
Name: WmmATCA_BoardPower (4173) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: A board is either in the inactive or not present state. This means that the board has been powered down.		
Remedial action: Verify that the blade is powered on. This can be performed remotely using CLI on the shelf manager or locally by observing specific LEDs and their status. Verify that the blade is seated correctly in the chassis. Try to re-seat the blade in the chassis. Replace the blade if necessary, refer to FRU procedure. Contact Alcatel-Lucent Customer Support.		

Table 19-302 WmmATCA_CPLDState

Alarm	Attributes	Applicable major NE releases
Name: WmmATCA_CPLDState (4174) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: This alarm indicates a change in the redundancy status of the shelf management cards. The specific problem of the alarm contains the specific redundancy state of the shelf management card.		
Remedial action: Verify that the shelf management card is inserted properly. If the shelf management card is inserted, reseat the shelf management card. If reseating the shelf management card does not correct the problem, replace the shelf management card.		

Table 19-303 WmmATCA_DS75Temperature

Alarm	Attributes	Applicable major NE releases
Name: WmmATCA_DS75Temperature (4175) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: This alarm indicates that the AMC (Advanced Mezzanine Card) temperature monitoring sensor has detected a threshold being crossed.		
Remedial action: There is a condition in which this alarm, with minor severity, is being erroneously reported by the hardware, so ignore any minor alarms pertaining to this sensor. Check if there are other alarms that could explain the rise in temperature, especially fan alarms. If there are, troubleshoot these alarms first. Check that the room air conditioning system is operating properly. Check that the fan units of the suspect chassis are operating correctly. If they are not, replace the fan units according to the replacement procedure. If fans are operating properly and if there is no other alarm, replace faulty FRU according to the appropriate replacement procedure. If the problem persists, contact Alcatel-Lucent Customer Support.		

Table 19-304 WmmATCA_ExhaustTemp

Alarm	Attributes	Applicable major NE releases
Name: WmmATCA_ExhaustTemp (4176) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: This alarm indicates that the ASS7BF AMC (Advanced Mezzanine Card) temperature monitoring sensor has detected a threshold being crossed.		
Remedial action: There is a condition in which this alarm, with minor severity, is being erroneously reported by the hardware, so ignore any minor alarms pertaining to this sensor. Check if there are other alarms that could explain the rise in temperature, especially fan alarms. If there are, troubleshoot these alarms first. Check that the room air conditioning system is operating properly. Check that the fan units of the suspect chassis are operating correctly. If they are not, replace the fan units according to the replacement procedure. If fans are operating properly and if there is no other alarm, replace faulty FRU according to the appropriate replacement procedure. If the problem persists, contact Alcatel-Lucent Customer Support.		

Table 19-305 WmmATCA_FanSpeed

Alarm	Attributes	Applicable major NE releases
Name: WmmATCA_FanSpeed (4178) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: This alarm indicates that a fan's speed has crossed a threshold.		
Remedial action: Replace the faulty fan unit according to the appropriate replacement procedure.		

Table 19-306 WmmATCA_FanTrayPresence

Alarm	Attributes	Applicable major NE releases
Name: WmmATCA_FanTrayPresence (4179) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: This alarm indicates that one of the fan trays is not present in the chassis. The fan tray in question will be identified in the additionalText field of the alarm.		
Remedial action: Insert the fan tray.		

Table 19-307 WmmATCA_FanTraysFRU

Alarm	Attributes	Applicable major NE releases
Name: WmmATCA_FanTraysFRU (4180) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: This alarm indicates a problem with one or more of the fan trays.		
Remedial action: Verify that all Fan Trays are properly seated in the chassis. Verify that the type of Fan Trays are compatible. Contact Alcatel-Lucent Customer Support if incompatible. Verify that the cooling parameters are set correctly. Contact Alcatel-Lucent Customer Support to adjust parameters.		

Table 19-308 WmmATCA_FilterPresence

Alarm	Attributes	Applicable major NE releases
Name: WmmATCA_FilterPresence (4181) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: A filter is not present in the chassis. The additional text field of the alarm will indicate which filter is not present.		
Remedial action: Insert the filter that is not present.		

Table 19-309 WmmATCA_FPGATemp

Alarm	Attributes	Applicable major NE releases
Name: WmmATCA_FPGATemp (4177) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: This alarm indicates that the DCI AMC (Advanced Mezzanine Card) FPGA Temp monitoring sensor has detected a threshold being crossed. This indicates there is a problem with the die temperature of the DCI FPGA.		
Remedial action: Check if there are other alarms that could explain the rise in temperature, especially fan alarms. If there are, troubleshoot these alarms first. Check that the room air conditioning system is operating properly. Check that the fan units of the suspect chassis are operating correctly. If they are not, replace the fan units according to the replacement procedure. If fans are operating properly and if there is no other alarm, replace faulty FRU according to the appropriate replacement procedure. If the problem persists, contact Alcatel-Lucent Customer Support.		

Table 19-310 WmmATCA_I2CLocalBus

Alarm	Attributes	Applicable major NE releases
Name: WmmATCA_I2CLocalBus (4182) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: This alarm reports an abnormal condition in the hardware state of the I2C Local Bus.		
Remedial action: If the condition does not clear, contact Alcatel-Lucent Customer Support		

Table 19-311 WmmATCA_InletTemp

Alarm	Attributes	Applicable major NE releases
Name: WmmATCA_InletTemp (4184) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: This alarm indicates that the AMC (Advanced Mezzanine Card) Inlet Temp monitoring sensor at the upper edge of the AMC has detected a threshold being crossed.		
Remedial action: Check if there are other alarms that could explain the rise in temperature, especially fan alarms. If there are, troubleshoot these alarms first. Check that the room air conditioning system is operating properly. Check that the fan units of the suspect chassis are operating correctly. If they are not, replace the fan units according to the replacement procedure. If fans are operating properly and if there is no other alarm, replace faulty FRU according to the appropriate replacement procedure. If the problem persists, contact Alcatel-Lucent Customer Support.		

Table 19-312 WmmATCA_IPMblink

Alarm	Attributes	Applicable major NE releases
Name: WmmATCA_IPMblink (4183) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: This alarm indicates a problem with the IPMB(Intelligent Platform Management Bus) Link between the shelf manager and the board. This alarm may be reported by the shelf manager for the portion of the link that it monitors, or by the board for the portion of the link it monitors.		
Remedial action: If the Link has been manually disabled, try to enable the link from the active shelf manager card with the command, 'clia setipmbstate <IPMB address> [AB] 1'. If the board is reporting a link failure, replace the board. If the shelf is reporting a link failure, replace the shelf management card. If replacing the board and shelf management card do not solve the problem, replace the shelf. Contact Alcatel-Lucent Customer Support.		

Table 19-313 WmmATCA_LM75Temperature

Alarm	Attributes	Applicable major NE releases
Name: WmmATCA_LM75Temperature (4185) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: This alarm indicates a temperature problem with a board.		
Remedial action: There is a condition in which this alarm, with minor severity, is being erroneously reported by the hardware, so ignore any minor alarms pertaining to this sensor. Check if there are other alarms that could explain the rise in temperature, especially fan alarms. If there are, troubleshoot these alarms first. Check that the room air conditioning system is operating properly. Check that the fan units of the suspect chassis are operating correctly. If they are not, replace the fan units according to the replacement procedure. If fans are operating properly and if there is no other alarm, replace faulty FRU according to the appropriate replacement procedure. If the problem persists, contact Alcatel-Lucent Customer Support.		

Table 19-314 WmmATCA_LM83Temperature

Alarm	Attributes	Applicable major NE releases
Name: WmmATCA_LM83Temperature (4186) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: This alarm indicates a temperature problem with a board. There are 5 LM83 sensors(LM83_1 Local,LM83_1 DBG,LM83_1 BASE,LM83_1 LSI,LM83_2 Local) that monitor the temperature of the board.		
Remedial action: There is a condition in which this alarm, with minor severity, is being erroneously reported by the hardware, so ignore any minor alarms pertaining to this sensor. Check if there are other alarms that could explain the rise in temperature, especially fan alarms. If there are, troubleshoot these alarms first. Check that the room air conditioning system is operating properly. Check that the fan units of the suspect chassis are operating correctly. If they are not, replace the fan units according to the replacement procedure. If fans are operating properly and if there is no other alarm, replace faulty FRU according to the appropriate replacement procedure. If the problem persists, contact Alcatel-Lucent Customer Support.		

Table 19-315 WmmATCA_LMeUC75Temperature

Alarm	Attributes	Applicable major NE releases
Name: WmmATCA_LMeUC75Temperature (4188) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: This alarm indicates that the ASS7NB AMC (Advanced Mezzanine Card) temperature monitoring sensor has detected a threshold being crossed.		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: There is a condition in which this alarm, with minor severity, is being erroneously reported by the hardware, so ignore any minor alarms pertaining to this sensor. Check if there are other alarms that could explain the rise in temperature, especially fan alarms. If there are, troubleshoot these alarms first. Check that the room air conditioning system is operating properly. Check that the fan units of the suspect chassis are operating correctly. If they are not, replace the fan units according to the replacement procedure. If fans are operating properly and if there is no other alarm, replace faulty FRU according to the appropriate replacement procedure. If the problem persists, contact Alcatel-Lucent Customer Support.		

(2 of 2)

Table 19-316 WmmATCA_LMeUC75TopRig

Alarm	Attributes	Applicable major NE releases
Name: WmmATCA_LMeUC75TopRig (4404) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> 7.0.0 7.1.0 8.0.0
Description: This alarm indicates that the ASS7BN AMC (Advanced Mezzanine Card) temperature monitoring sensor has detected a threshold being crossed.		
Remedial action: Check if there are other alarms that could explain the rise in temperature, especially fan alarms. If there are, troubleshoot these alarms first. Check that the room air conditioning system is operating properly. Check that the fan units of the suspect chassis are operating correctly. If they are not, replace the fan units according to the replacement procedure. If fans are operating properly and if there is no other alarm, replace faulty FRU according to the appropriate replacement procedure. If the problem persists, contact Alcatel-Lucent Customer Support.		

Table 19-317 WmmATCA_LMUC75TopRig

Alarm	Attributes	Applicable major NE releases
Name: WmmATCA_LMUC75TopRig (4187) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> 6.0.0
Description: This alarm indicates that the ASS7BN AMC (Advanced Mezzanine Card) temperature monitoring sensor has detected a threshold being crossed.		
Remedial action: Check if there are other alarms that could explain the rise in temperature, especially fan alarms. If there are, troubleshoot these alarms first. Check that the room air conditioning system is operating properly. Check that the fan units of the suspect chassis are operating correctly. If they are not, replace the fan units according to the replacement procedure. If fans are operating properly and if there is no other alarm, replace faulty FRU according to the appropriate replacement procedure. If the problem persists, contact Alcatel-Lucent Customer Support.		

Table 19-318 WmmATCA_LocalTemperature

Alarm	Attributes	Applicable major NE releases
Name: WmmATCA_LocalTemperature (4189) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: This alarm indicates a temperature problem with a board.		
Remedial action: Check if there are other alarms that could explain the rise in temperature, especially fan alarms. If there are, troubleshoot these alarms first. Check that the room air conditioning system is operating properly. Check that the fan units of the suspect chassis are operating correctly. If they are not, replace the fan units according to the replacement procedure. If fans are operating properly and if there is no other alarm, replace faulty FRU according to the appropriate replacement procedure. If the problem persists, contact Alcatel-Lucent Customer Support.		

Table 19-319 WmmATCA_m48vSensor

Alarm	Attributes	Applicable major NE releases
Name: WmmATCA_m48vSensor (4198) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: This alarm indicates a problem with the -48V shelf power supply A and/or B feeds.		
Remedial action: Check the top rack power distribution unit's LED and circuit breakers. Replace the faulty power supply according to the appropriate replacement procedures. If the problem persists, contact Alcatel-Lucent Customer Support.		

Table 19-320 WmmATCA_MMCTemp

Alarm	Attributes	Applicable major NE releases
Name: WmmATCA_MMCTemp (4190) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: This alarm indicates that the DCI AMC (Advanced Mezzanine Card) MMC Temp monitoring sensor has detected a threshold being crossed. This indicates there is a problem with the die temperature of the MMC FPGA.		
Remedial action: Check if there are other alarms that could explain the rise in temperature, especially fan alarms. If there are, troubleshoot these alarms first. Check that the room air conditioning system is operating properly. Check that the fan units of the suspect chassis are operating correctly. If they are not, replace the fan units according to the replacement procedure. If fans are operating properly and if there is no other alarm, replace faulty FRU according to the appropriate replacement procedure. If the problem persists, contact Alcatel-Lucent Customer Support.		

Table 19-321 WmmATCA_OcteonTemperature

Alarm	Attributes	Applicable major NE releases
Name: WmmATCA_OcteonTemperature (4191) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: This alarm indicates a temperature problem with the Octeon module.		
Remedial action: Check if there are other alarms that could explain the rise in temperature, especially fan alarms. If there are, troubleshoot these alarms first. Check that the room air conditioning system is operating properly. Check that the fan units of the suspect chassis are operating correctly. If they are not, replace the fan units according to the replacement procedure. If fans are operating properly and if there is no other alarm, replace faulty FRU according to the appropriate replacement procedure. If the problem persists, contact Alcatel-Lucent Customer Support.		

Table 19-322 WmmATCA_OutletTemp

Alarm	Attributes	Applicable major NE releases
Name: WmmATCA_OutletTemp (4192) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: This alarm indicates that the AMC (Advanced Mezzanine Card) Outlet Temp monitoring sensor at the lower edge of the AMC has detected a threshold being crossed.		
Remedial action: Check if there are other alarms that could explain the rise in temperature, especially fan alarms. If there are, troubleshoot these alarms first. Check that the room air conditioning system is operating properly. Check that the fan units of the suspect chassis are operating correctly. If they are not, replace the fan units according to the replacement procedure. If fans are operating properly and if there is no other alarm, replace faulty FRU according to the appropriate replacement procedure. If the problem persists, contact Alcatel-Lucent Customer Support.		

Table 19-323 WmmATCA_PayloadCurrent

Alarm	Attributes	Applicable major NE releases
Name: WmmATCA_PayloadCurrent (4193) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: This alarm indicates a current problem on a board, resulting from the Payload Amps sensor threshold being crossed.		
Remedial action: Check if other cards in the chassis have a similar alarm. If this is the case, there may be a problem with the power supply unit(s). Replace the faulty card according to the appropriate replacement procedure. Replace the interface unit located behind the faulty card according to the appropriate replacement procedure. If the problem persists, contact Alcatel-Lucent Customer Support.		

Table 19-324 WmmATCA_PayloadVoltage

Alarm	Attributes	Applicable major NE releases
Name: WmmATCA_PayloadVoltage (4194) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: This alarm indicates a voltage problem with a board.		
Remedial action: Check if all of the cards in the chassis have the same alarm. If this is the case, replace the power supply unit(s) according to the appropriate replacement procedure. Replace the faulty card according to the appropriate replacement procedure. Replace the interface unit located behind the faulty card according to the appropriate replacement procedure. If the problem persists, contact Alcatel-Lucent Customer Support.		

Table 19-325 WmmATCA_PowerOk

Alarm	Attributes	Applicable major NE releases
Name: WmmATCA_PowerOk (4195) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: This alarm indicates state of power ok signal from ISPPAC.		
Remedial action: Verify that the blade is powered on. Verify that the blade is seated correctly in the chassis. Try to re-seat the blade in the chassis. Replace the blade if necessary, refer to FRU procedure. Contact Alcatel-Lucent Customer Support.		

Table 19-326 WmmATCA_ShelfFRUs

Alarm	Attributes	Applicable major NE releases
Name: WmmATCA_ShelfFRUs (4196) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: This alarm indicates a problem with the shelf FRU information stored in the EEPROMs (located on the NFATCAV2 back panel and accessed via the I2C local bus). The EEPROMS contents are validated when a shelf manager is initialized as the active shelf manager, and periodically by the active shelf manager.		
Remedial action: A firmware upgrade may be needed, contact Alcatel-Lucent Customer Support.		

Table 19-327 WmmATCA_UnexpectedDeact

Alarm	Attributes	Applicable major NE releases
Name: WmmATCA_UnexpectedDeact (4197) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: This sensor reports unexpected deactivation (transition to INACTIVE state) origin. It is asserted		
Remedial action: Look at sensor alarms to see why the card was deactivated and resolve underlying problems.		

Table 19-328 WmmLSS_cardConnectionLost

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_cardConnectionLost (4199) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: REM detected a problem with its connectivity to a service member under its control, or a service member has missed a heartbeat to REM.		
Remedial action: Verify the status on the service on the MI GUI. It should be 'Out of Service'. If it is active, or standby hot, with its mate being active, or manually out-of-service (unlocked/disabled/idle) then the alarm condition is not valid. If communication to the service does not come back within several minutes (e.g. the cardConnectionLost alarm does not clear), it may be necessary to connect to the card's console-port to get the status of the service. Consult card specific documentation about the console commands to obtain the card service state. If you are not successful in connecting to the console, this could be due to either a networking problem, or a fault in the card. If the card is inaccessible via console, it can be recovered via the reset button, or by power cycling. Continued trouble may mean the card is having some hardware difficulty; and Alcatel-Lucent Customer Support should be contacted to determine the next step(s). Try to ping the internal fixed service ip address of the service member from the host which is running the active CNFG service. If pinging the service member from the CNFG host succeeds, then go to Step 4; else go to Step 5. Determine if REM has a connection to the service member via the use of the netstat command on the host which has the active CNFG service. The following command will give a list of IP addresses that REM has connected to via well-known port 20000: netstat -a grep 20000. Look for an 'Established' connection to the service's IP address in the output of the above command. If the service's IP address is not found in the output and this is the first time you have visited this step, then go to Step 6. If the service's IP address is not found in the output and this is the second time you have visited this step, then go to Step 7. Check the IP connections from the host that has the active CNFG service member to the switches and the routers. Check the connection to the card. If connection problems are found, they must be fixed. One can also verify that the appropriate service IP addresses have been plumbed and the appropriate service image has been downloaded to the card. Try switching the CNFG service to its currently standby hot member via MI GUI. Stop and start the CNFG service via the stopCNFG and startCNFG commands, respectively. This will stop the REM process and restart it, among others within the CNFG service. Once the CNFG service is active, the virtual cluster can be switched back. Note that error recovery and provisioning ability will be affected if the CNFG service is not operational. Restart/reload the service. This may be done via the MI GUI.		

Table 19-329 WmmLSS_cardError

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_cardError (4200) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: This alarm indicates that a hardware diagnostic failure has been detected. Depending on the criticality of the checks, alarms with various severities are generated.		
Remedial action: For the Critical Alarm, the card should be taken OOS and replaced. For the Major Alarm, the card should be taken OOS and rebooted to see if the alarm clears. If it does not clear or there are other reports from the card (such as Asserts) reporting problems, the card should be left OOS and Alcatel-Lucent Customer Support should be contacted. For the Minor Alarm, contact Alcatel-Lucent Customer Support for the correction procedure.		

Table 19-330 WmmLSS_cdrFileStorageSpaceThreshold

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_cdrFileStorageSpaceThreshold (5388) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 8.0.0
Description: CDRs file storage space threshold reached		
Remedial action: Continue to the next action only if the system does not clear the alarm: test the accessibility to the Charging Gateway (ping command); trace the route to the Charging Gateway (traceroute command). If the problem persists, contact Alcatel-Lucent Customer Support.		

Table 19-331 WmmLSS_cdrStorageSpaceThreshold

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_cdrStorageSpaceThreshold (4405) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 7.0.0 • 7.1.0 • 8.0.0
Description: CDRs storage space threshold reached		
Remedial action: Continue to the next action only if the system does not clear the alarm: test the accessibility to the Charging Gateway (ping command); trace the route to the Charging Gateway (traceroute command). If the problem persists, contact Alcatel-Lucent Customer Support.		

Table 19-332 WmmLSS_cgfcNotResponding

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_cgfcNotResponding (4406) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 7.0.0 • 7.1.0 • 8.0.0
Description: SGSN/CGF interface: CGF not responding		
Remedial action: Continue to the next action only if the system does not clear the alarm: test the accessibility to the Charging Gateway (ping command); trace the route to the Charging Gateway (traceroute command); If the problem persists, contact Alcatel-Lucent Customer Support.		

Table 19-333 WmmLSS_cgfcServiceNotSupported

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_cgfcServiceNotSupported (4407) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 7.0.0 • 7.1.0 • 8.0.0
Description: The Charging Gateway is not able to process the CDRs transmitted by the SGSN		
Remedial action: Continue to the next action only if the system does not clear the alarm: If the problem persists, contact Alcatel-Lucent Customer Support.		

Table 19-334 WmmLSS_cgfcSystemFailure

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_cgfcSystemFailure (4408) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 7.0.0 • 7.1.0 • 8.0.0
Description: SGSN/CGF interface: 'system failure' response		
Remedial action: Continue to the next action only if the system does not clear the alarm: If the problem persists, contact Alcatel-Lucent Customer Support.		

Table 19-335 WmmLSS_cgfVersionNotSupported

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_cgfVersionNotSupported (4409) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 7.0.0 • 7.1.0 • 8.0.0
Description: The version of GTP' supported by the SGSN is not supported by the Charging Gateway.		
Remedial action: Continue to the next action only if the system does not clear the alarm: check GTP' version at Charging Gateway. If the problem persists, contact Alcatel-Lucent Customer Support.		

Table 19-336 WmmLSS_cmasFailure

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_cmasFailure (4800) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 7.0.0 • 7.1.0 • 8.0.0
Description: This alarm indicates that there is software failure in s1mme or sbc modules, related to CMAS.		
Remedial action: Contact Alcatel-Lucent Customer Support.		

Table 19-337 WmmLSS_cmasReceiveFailure

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_cmasReceiveFailure (4801) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 7.0.0 • 7.1.0 • 8.0.0
Description: This alarm indicates that MME failed to receive an acknowledgement to a CMAS message.		
Remedial action: Verify that the S1mme links are up. Alarm can only be cleared manually by running 'alarm_cli --clear alarmName="LSS_cmasReceiveFailure' from the active MI. If condition persists, contact Alcatel-Lucent Customer Support."		

Table 19-338 WmmLSS_cmasSendFailure

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_cmasSendFailure (4802) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 7.0.0 • 7.1.0 • 8.0.0
Description: This alarm indicates that there is a failure in sending a CMA5 message over s1mme or sbc interfaces.		
Remedial action: Verify that the S1mme and sbc links are up. Alarm can only be cleared manually by running 'alarm_cli --clear alarmName="LSS_cmasSendFailure' from the active MI. If condition persists, contact Alcatel-Lucent Customer Support."		

Table 19-339 WmmLSS_connectionLostToLDPpeer

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_connectionLostToLDPpeer (5151) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 7.1.0 • 8.0.0
Description: There is no LDP session with a peer (SDP far-end).		
Remedial action: Check configuration: SDP administrative state, SDP far-end IP address. Check IP connectivity between SAF and LDP peer IP address. Manually clear the alarm.		

Table 19-340 WmmLSS_cpiAlrmCritical

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_cpiAlrmCritical (4201) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The raised alarm LSS_cpiAlrmCritical indicates the value of the VS.alrmCritical measurement monitored by the Critical Alarms Count CPI exceeded a threshold in the last 15 minute interval.		
Remedial action: Using the Maintenance Interface, examine the set of critical alarms or any other alarms recently raised and address them. This alarm will clear automatically if the rate of critical alarm generation drops below the threshold.		

Table 19-341 WmmLSS_cpiAlrmMajor

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_cpiAlrmMajor (4202) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The raised alarm LSS_cpiAlrmMajor indicates the value of the VS.almMajor measurement monitored by the Major Alarms Count CPI exceeded a threshold in the last 15 minute interval.		
Remedial action: Using the Maintenance Interface, examine the set of major alarms or any other alarms recently raised and address them. This alarm will clear automatically if the rate of major alarm generation drops below the threshold.		

Table 19-342 WmmLSS_cpiAlrmMinor

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_cpiAlrmMinor (4203) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The raised alarm LSS_cpiAlrmMinor indicates the value of the VS.almMinor measurement monitored by the Minor Alarms Count CPI exceeded a threshold in the last 15 minute interval.		
Remedial action: Using the Maintenance Interface, examine the set of minor alarms or any other alarms recently raised and address them. This alarm will clear automatically if the rate of minor alarm generation drops below the threshold.		

Table 19-343 WmmLSS_cpiAlrmWarning

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_cpiAlrmWarning (4204) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The raised alarm LSS_cpiAlrmWarning indicates the value of the VS.almWarning measurement monitored by the Warning Alarms Count CPI exceeded a threshold in the last 15 minute interval.		
Remedial action: Using the Maintenance Interface, examine the set of warning alarms or any other alarms recently raised and address them. This alarm will clear automatically if the rate of warning alarm generation drops below the threshold.		

Table 19-344 WmmLSS_cpiAsrtEsc

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_cpiAsrtEsc (4205) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The raised alarm LSS_cpiAsrtEsc indicates the value of the VS.asrtESC measurement monitored by the Escalating Asserts CPI exceeded a threshold in the last 15 minute interval.		
Remedial action: This alarm will clear automatically if the rate of escalating assert generation drops below the threshold. An automatic escalation would result in a switch over and should also drop the rate of assert generation. Determine if any other alarms have been recently raised on the resource reported and address them. Examine the recent Performance (PM) counts on the resource reported; they may suggest more regarding this issue. If a provisioning or configuration change was executed just before the alarm was raised, consider that the change is causing the problem. If a Software Update (SU) or Patch is being soaked, then this could indicate a problem with the software delivered; immediately contact Alcatel-Lucent Customer Support. If the PM counts indicates degradation of service and a switch over has not occurred, switch the service to its redundant mate. If the situation persists after a switch-over, be sure that the prior active host of the service was removed from service and restored completely. Attempt another switch over to the original active host for the service. In all cases, contact customer support regarding this alarm.		

Table 19-345 WmmLSS_cpiAsrtNonEsc

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_cpiAsrtNonEsc (4206) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The raised alarm LSS_cpiAsrtNonEsc indicates the value of the VS.asrtNonESC measurement monitored by the Non-Escalating Asserts CPI exceeded a threshold in the last 15 minute interval.		
Remedial action: This alarm will clear automatically if the rate of non-escalating assert generation drops below the threshold. Determine if any other alarms have been recently raised on the resource reported and address them. Examine the recent Performance (PM) counts on the resource reported; they may suggest more regarding this issue. If a provisioning or configuration change was executed just before the alarm was raised, consider that the change is causing the problem. If a Software Update (SU) or Patch is being soaked, then this could indicate a problem with the software delivered; immediately contact Alcatel-Lucent Customer Support. If the PM counts indicates degradation of service, switch the service to its redundant mate. If the situation persists after a switch-over, be sure that the prior active host of the service was removed from service and restored completely. Attempt another switch over to the original active host for the service. In all cases, contact customer support regarding this alarm.		

Table 19-346 WmmLSS_cpiAsrtNonEscCritical

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_cpiAsrtNonEscCritical (4207) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0

(1 of 2)

19 – Alcatel-Lucent 9471 WMM alarms

Alarm	Attributes	Applicable major NE releases
Description: The raised alarm LSS_cpiAsrtNonEscCritical indicates the value of the VS.asrtNonESCcritical measurement monitored by the Critical Non-Escalating Asserts CPI exceeded a threshold in the last 15 minute interval.		
Remedial action: This alarm will clear automatically if the rate of non-escalating assert generation drops below the threshold. Determine if any other alarms have been recently raised on the resource reported and address them. Examine the recent Performance (PM) counts on the resource reported; they may suggest more regarding this issue. If a provisioning or configuration change was executed just before the alarm was raised, consider that the change is causing the problem. If a Software Update (SU) or Patch is being soaked, then this could indicate a problem with the software delivered; immediately contact Alcatel-Lucent Customer Support. If the PM counts indicates degradation of service, switch the service to its redundant mate. If the situation persists after a switch-over, be sure that the prior active host of the service was removed from service and restored completely. Attempt another switch over to the original active host for the service. In all cases, contact customer support regarding this alarm.		

(2 of 2)

Table 19-347 WmmLSS_cpiAsrtNonEscMajor

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_cpiAsrtNonEscMajor (4208) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The raised alarm LSS_cpiAsrtNonEscMajor indicates the value of the VS.asrtNonESCMajor measurement monitored by the Major Non-Escalating Asserts CPI exceeded a threshold in the last 15 minute interval.		
Remedial action: This alarm will clear automatically if the rate of non-escalating assert generation drops below the threshold. Determine if any other alarms have been recently raised on the resource reported and address them. Examine the recent Performance (PM) counts on the resource reported; they may suggest more regarding this issue. If a provisioning or configuration change was executed just before the alarm was raised, consider that the change is causing the problem. If a Software Update (SU) or Patch is being soaked, then this could indicate a problem with the software delivered; immediately contact Alcatel-Lucent Customer Support. If the PM counts indicates degradation of service, switch the service to its redundant mate. If the situation persists after a switch-over, be sure that the prior active host of the service was removed from service and restored completely. Attempt another switch over to the original active host for the service. In all cases, contact customer support regarding this alarm.		

Table 19-348 WmmLSS_cpiAsrtNonEscMinor

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_cpiAsrtNonEscMinor (4209) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The raised alarm LSS_cpiAsrtNonEscMinor indicates the value of the VS.asrtNonESCMinor measurement monitored by the Minor Non-Escalating Asserts CPI exceeded a threshold in the last 15 minute interval.		
Remedial action: This alarm will clear automatically if the rate of non-escalating assert generation drops below the threshold. Determine if any other alarms have been recently raised on the resource reported and address them. Examine the recent Performance (PM) counts on the resource reported; they may suggest more regarding this issue. If a provisioning or configuration change was executed just before the alarm was raised, consider that the change is causing the problem. If a Software Update (SU) or Patch is being soaked, then this could indicate a problem with the software delivered; immediately contact Alcatel-Lucent Customer Support. If the PM counts indicates degradation of service, switch the service to its redundant mate. If the situation persists after a switch-over, be sure that the prior active host of the service was removed from service and restored completely. Attempt another switch over to the original active host for the service. In all cases, contact customer support regarding this alarm.		

Table 19-349 WmmLSS_cpiAudErrCount

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_cpiAudErrCount (4210) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The raised alarm LSS_cpiAudErrCount indicates the value of the VS.audErrCount measurement monitored by the Audit Errors CPI exceeded a threshold in the last 15 minute interval. Audits run at low priority to recover lost or stuck resources. Audits generate error reports describing any problems they find. The VS.audErrCnt measurement reports the number of individual errors found by audits during the interval.		
Remedial action: Although audits take recovery for each error they find, use the Maintenance Interface to examine the set of audit errors reported. If this alarm recurs or is ongoing due to the same set of audits, contact Alcatel-Lucent Customer Support. If this alarm is new and coincides with the introduction of a software update, contact Alcatel-Lucent Customer Support immediately. This alarm will clear automatically if the rate of audit detected errors drops below the threshold.		

Table 19-350 WmmLSS_cpiAudManAct

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_cpiAudManAct (4211) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The raised alarm, LSS_cpiAudManAct, indicates the value of the VS.audManAct measurement monitored by the Audit Errors Requiring Manual Action CPI exceeded a threshold in the last 15 minute interval. Audits run at low priority to recover lost or stuck resources. Audits generate error reports describing any problems they find.. The VS.audManAct measurement reports the number of individual errors found by audits during the interval that require manual action for recovery.		
Remedial action: Using the Maintenance Interface, examine the set of audit errors reported and address them. Audit error reports requiring manual action should specify the actions needed to perform recovery. If this alarm is new and coincides with the introduction of a software update, contact Alcatel-Lucent Customer Support immediately. This alarm will clear automatically if the rate of audit detected errors requiring manual action drops below the threshold. However, this will not happen until the required manual recovery steps have been taken.		

Table 19-351 WmmLSS_cpiAudNewEvent

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_cpiAudNewEvent (4212) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The raised alarm LSS_cpiAudNewEvent indicates the value of the VS.audNewEvent measurement monitored by the Audit Initiated Events CPI exceeded a threshold in the last 15 minute interval. Audits run at low priority to recover lost or stuck resources. Audits generate error reports describing any problems they find.. The VS.audNewEvent measurement reports the number of times during the interval that an audit that ran without being part of an escalated recovery and found at least one error.		

(1 of 2)

19 – Alcatel-Lucent 9471 WMM alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: Although audits take recovery for each error they find, use the Maintenance Interface to examine the set of audit errors reported. If this alarm recurs or is ongoing due to the same set of audits, contact Alcatel-Lucent Customer Support. If this alarm is new and coincides with the introduction of a software update, contact Alcatel-Lucent Customer Support immediately. This alarm will clear automatically if the rate of audit invocations that detect errors drops below the threshold.		

(2 of 2)

Table 19-352 WmmLSS_cpiExceptionService

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_cpiExceptionService (4213) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The raised alarm LSS_cpiExceptionService indicates the value of the VS.exceptionService measurement monitored by the Service Exceptions CPI exceeded a threshold in the last 15 minute interval.		
Remedial action: The value of the VS.exceptionService measurement monitored by the Service Exceptions CPI exceeded a threshold in the last 15 minute interval. This alarm will clear automatically if the rate of exceptions drops below the threshold. Determine if any other alarms have been recently raised on the resource reported and address them. Examine the recent Performance (PM) counts on the resource reported; they may suggest more regarding this issue. If a provisioning or configuration change was executed just before the alarm was raised, consider that the change is causing the problem. If a Software Update (SU) or Patch is being soaked, then this could indicate a problem with the software delivered; immediately contact Alcatel-Lucent Customer Support. If the PM counts indicates degradation of service and a switch-over has not already occurred, switch the service to its redundant mate. If the situation persists after a switch-over, be sure that the prior active host of the service was removed from service and restored completely. Attempt another switch over to the original active host for the service. If the situation persists after two or more switch-overs of the pair within the service, then attempt to duplex fail the service. In all cases, contact customer support regarding this alarm.		

Table 19-353 WmmLSS_cpiFileSysUsage

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_cpiFileSysUsage (4214) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The raised alarm LSS_cpiFileSysUsage indicates the value of resource usage count VS.fileSysUsage monitored by the File System Usage CPI exceeded a threshold in the last 5-minute interval.		
Remedial action: Remove outdated and obsolete files to free the file system space. Move the important data files to other disks to free the file system space. When CPI alarm LSS_cpiFileSysUsage is fired for CDR host, don't remove CDR record files (under /app1/data0/cdrdata) and PCMD record files (under /app1/data0/pcmddata). Furthermore, double check timestamp of CDR records files under /app1/data0/cdrdata/app2/charging/stream1/primary. If many files are older than two PULL/PUSH intervals, then there might be CDR records file transfer issue, which should be fixed firstly. For non-CDR record or non-PCMD record files, follow step 1 or step 2.		

Table 19-354 WmmLSS_cpiGTPcResponseTOGn

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_cpiGTPcResponseTOGn (4215) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The raised alarm, LSS_cpiGTPcResponseTOGn, indicates that the value of VS.cpiGTPcResponseTOGn has exceeded a threshold in the last 15 minute interval. This counter monitors the percentage of GTP Requests sent over a Gn interface for which no Response is received by the MME. The Gn interface connects the MME with one or more SGSNs. The calculated percentage is compared against provisioned thresholds for Minor, Major, and Critical alarm conditions.		
Remedial action: Check neighboring SGSNs for error conditions or ongoing problems. Verify network connectivity and proper configuration between MME and SGSNs. If SGSNs and network connectivity are verified, examine all the GTP failure counters to determine if one failure cause predominates, and check fs.log to determine if errors related to the Gn interface have been reported. Contact next level of support.		

Table 19-355 WmmLSS_cpiGTPcResponseTOS3

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_cpiGTPcResponseTOS3 (4216) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The raised alarm, LSS_cpiGTPcResponseTOS3, indicates meeting a threshold of GTP response failure rate in the last 5 minute interval. This failure rate monitors the percentage of GTP Requests sent over an S3 interface for which no Response is received by the MME. The S3 interface connects the MME with one or more SGSNs. The calculated percentage is compared against provisioned thresholds for Minor, Major, and Critical alarm conditions.		
Remedial action: Check neighboring SGSNs for error conditions or ongoing problems. Verify network connectivity and proper configuration between MME and SGSNs. If SGSNs and network connectivity are verified, examine all the GTP failure counters to determine if one failure cause predominates, and check fs.log to determine if errors related to the S3 interface have been reported. Contact next level of support.		

Table 19-356 WmmLSS_cpiGTPcResponseTOSv

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_cpiGTPcResponseTOSv (4217) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The raised alarm LSS_cpiGTPcResponseTOSv indicates meeting a threshold of the GTPc Response Time out over Sv CPI (requests sent over an Sv interface for which no response is received).		

(1 of 2)

19 – Alcatel-Lucent 9471 WMM alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: Check neighboring LVI(s) for error conditions or ongoing problems. Verify network connectivity and proper configuration between MME and LVI(s). If LVI(s) and network connectivity are verified, examine all the GTP failure counters to determine if one failure cause predominates, and check fs.log to determine if errors related to the Gn interface have been reported. Contact next level of support.		

(2 of 2)

Table 19-357 WmmLSS_cpiHOfailuresFromGERANoverS3

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_cpiHOfailuresFromGERANoverS3 (4219) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The raised alarm, LSS_cpiHOfailuresFromGERANoverS3, indicates that the value of VS.cpiHOfailuresFromGERANoverS3 has exceeded a threshold in the last 5 minute interval. This counter monitors the failure rate of attempted handovers from GERAN to a E-UTRAN SGSN using the S3 interface. The failure rate is compared against provisioned thresholds for Minor, Major, and Critical alarm conditions.		
Remedial action: For failures attributed to the SGSN, check the target UTRAN/GERAN network for errors related to inter-system mobility procedures. For failures attributed to the MME, check the S3 link status and MME service status. Check fs.log for error indications related to S3 interface procedures, contact next level of support if internal MME errors are indicated.		

Table 19-358 WmmLSS_cpiHOfailuresFromUTRANoverS3

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_cpiHOfailuresFromUTRANoverS3 (4220) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The raised alarm, LSS_cpiHOfailuresFromUTRANoverS3, indicates that the value of VS.cpiHOfailuresFromUTRANoverS3 has exceeded a threshold in the last 5 minute interval. This counter monitors the failure rate of attempted handovers from UTRAN to a E-UTRAN SGSN using the S3 interface. The failure rate is compared against provisioned thresholds for Minor, Major, and Critical alarm conditions.		
Remedial action: For failures attributed to the SGSN, check the target UTRAN/GERAN network for errors related to inter-system mobility procedures. For failures attributed to the MME, check the S3 link status and MME service status. Check fs.log for error indications related to S3 interface procedures, contact next level of support if internal MME errors are indicated.		

Table 19-359 WmmLSS_cpiHOfailuresRAuto2G3GnewSgwOverS3

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_cpiHOfailuresRAuto2G3GnewSgwOverS3 (4222) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> 6.0.0 7.0.0 7.1.0 8.0.0
Description: The raised alarm, LSS_cpiHOfailuresRAuto2G3GnewSgwOverS3, indicates that the value of VS.cpiHOfailuresRAuto2G3GnewSgwOverS3 has exceeded a threshold in the last 5 minute interval. This counter monitors the failure rate of attempted RAU-based handovers from E-UTRAN to a UTRAN/GERAN SGSN using the S3 interface with SGW Relocation. This is Routing Area Update procedures. The failure rate is compared against provisioned thresholds for Minor, Major, and Critical alarm conditions.		
Remedial action: For failures attributed to the SGSN, check the target UTRAN/GERAN network for errors related to inter-system mobility procedures. For failures attributed to the MME, check the S3 link status and MME service status. Check fs.log for error indications related to S3 interface procedures, contact next level of support if internal MME errors are indicated.		

Table 19-360 WmmLSS_cpiHOfailuresRAuto2G3GOverS3

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_cpiHOfailuresRAuto2G3GOverS3 (4221) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> 6.0.0 7.0.0 7.1.0 8.0.0
Description: The raised alarm, LSS_cpiHOfailuresRAuto2G3GOverS3, indicates the failure rate of attempted Routing Area Update (RAU) procedures from E-UTRAN to a UTRAN/GERAN SGSN using the S3 interface has exceeded a threshold in the last 5 minute interval. Failures encountered during the entire duration of the RAU procedure are included. Therefore, failures encountered both prior to and after SGW change determination are included. The failure rate is compared against provisioned thresholds for Minor, Major, and Critical alarm conditions.		
Remedial action: For failures attributed to the SGSN, check the target UTRAN/GERAN network for errors related to inter-system mobility procedures. For failures attributed to the MME, check the S3 link status and MME service status. Check fs.log for error indications related to S3 interface procedures, contact Alcatel-Lucent Customer Support if internal MME errors are indicated.		

Table 19-361 WmmLSS_cpiHOfailuresRAuto2G3GsameSgwOverS3

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_cpiHOfailuresRAuto2G3GsameSgwOverS3 (4223) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> 6.0.0 7.0.0 7.1.0 8.0.0

(1 of 2)

19 – Alcatel-Lucent 9471 WMM alarms

Alarm	Attributes	Applicable major NE releases
Description: The raised alarm, LSS_cpiHOFailuresRAuto2G3GsameSgwOverS3, indicates that the value of VS.cpiHOFailuresRAuto2G3GsameSgwOverS3 has exceeded a threshold in the last 5 minute interval. This counter monitors the failure rate of attempted handovers from E-UTRAN to a UTRAN/GERAN SGSN using the S3 interface without SGW Relocation. This is Routing Area Update procedures. The failure rate is compared against provisioned thresholds for Minor, Major, and Critical alarm conditions.		
Remedial action: For failures attributed to the SGSN, check the target UTRAN/GERAN network for errors related to inter-system mobility procedures. For failures attributed to the MME, check the S3 link status and MME service status. Check fs.log for error indications related to S3 interface procedures, contact next level of support if internal MME errors are indicated.		

(2 of 2)

Table 19-362 WmmLSS_cpiHOFailuresTo3G2GOverGn

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_cpiHOFailuresTo3G2GOverGn (4218) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The raised alarm, LSS_cpiHOFailuresTo3G2GOverGn, indicates that the value of VS.cpiHOFailuresTo3G2GOverGn has exceeded a threshold in the last 15 minute interval. This counter monitors the failure rate of attempted handovers from E-UTRAN to a UTRAN/GERAN SGSN using the Gn interface. This includes Routing Area Update procedures. The failure rate is compared against provisioned thresholds for Minor, Major, and Critical alarm conditions.		
Remedial action: For failures attributed to the SGSN, check the target UTRAN/GERAN network for errors related to inter-system mobility procedures. For failures attributed to the MME, check the Gn link status and MME service status. Check fs.log for error indications related to Gn interface procedures, contact next level of support if internal MME errors are indicated.		

Table 19-363 WmmLSS_cpiHOfailuresToGERANoverS3

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_cpiHOfailuresToGERANoverS3 (4224) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The raised alarm, LSS_cpiHOfailuresToGERANoverS3, indicates that the value of VS.cpiHOfailuresToGERANoverS3 has exceeded a threshold in the last 5 minute interval. This counter monitors the failure rate of attempted handovers from E-UTRAN to a GERAN SGSN using the S3 interface. The failure rate is compared against provisioned thresholds for Minor, Major, and Critical alarm conditions.		
Remedial action: For failures attributed to the SGSN, check the target UTRAN/GERAN network for errors related to inter-system mobility procedures. For failures attributed to the MME, check the S3 link status and MME service status. Check fs.log for error indications related to S3 interface procedures, contact next level of support if internal MME errors are indicated.		

Table 19-364 WmmLSS_cpiHOfailuresToUTRANoverS3

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_cpiHOfailuresToUTRANoverS3 (4225) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The raised alarm, LSS_cpiHOfailuresToUTRANoverS3, indicates that the value of VS.cpiHOfailuresToUTRANoverS3 has exceeded a threshold in the last 5 minute interval. This counter monitors the failure rate of attempted handovers from E-UTRAN to a UTRAN SGSN using the S3 interface. The failure rate is compared against provisioned thresholds for Minor, Major, and Critical alarm conditions.		
Remedial action: For failures attributed to the SGSN, check the target UTRAN/GERAN network for errors related to inter-system mobility procedures. For failures attributed to the MME, check the S3 link status and MME service status. Check fs.log for error indications related to S3 interface procedures, contact next level of support if internal MME errors are indicated.		

Table 19-365 WmmLSS_cpiMafAttachFailuresSysRelated

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_cpiMafAttachFailuresSysRelated (4233) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The raised alarm, LSS_cpiMafAttachFailuresSysRelated, indicates meeting/exceeding a threshold of the rate of system-related failures for Attach procedures, which is calculated every 5 minutes.		
Remedial action: Verify that the S1, S6a and S11 links are in-service/normal, using the link_cli command. Verify that no overload alarms exist on the MME. Contact Alcatel-Lucent Customer Support		

Table 19-366 WmmLSS_cpiMafAttachWithPGWreselection

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_cpiMafAttachWithPGWreselection (4803) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 7.0.0 • 7.1.0 • 8.0.0
Description: The raised alarm cpiAttachWithPGWreselection indicates meeting a threshold of the rate of PGW reselection during Attach procedures CPI.		
Remedial action: Contact Alcatel-Lucent Customer Support.		

Table 19-367 WmmLSS_cpiMafAttachWithSGWreselection

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_cpiMafAttachWithSGWreselection (4804) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 7.0.0 • 7.1.0 • 8.0.0
Description: The raised alarm cpiAttachWithSGWreselection indicates meeting a threshold of the rate of SGW reselection during Attach procedures CPI.		
Remedial action: Contact Alcatel-Lucent Customer Support.		

Table 19-368 WmmLSS_cpiMAFCommunicationFailureRate

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_cpiMAFCommunicationFailureRate (4226) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The raised alarm, cpiMAFCommunicationFailureRate, indicates meeting a threshold of MAF communication failure rate on a per MAF service basis in the last 5 minutes. The failure rate is calculated from the measurement count VS.TotalMsgsRcvdFromMAF and VS.TotalMsgsSentToMAF in every interval of 5 minutes. On the MI GUI the alarm resource will indicate which MAF service has the problem in the MAF pool.		
Remedial action: Check the overload status of the MAF service firing this alarm. Check if there is any hung process in the MAF service firing this alarm. If the MAF service is duplex, try to switch the active MAF service. Contact Alcatel-Lucent Technical Support if problem still persists.		

Table 19-369 WmmLSS_cpiMafEIRfailuresS13

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_cpiMafEIRfailuresS13 (4234) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The raised alarm, LSS_cpiMafEIRfailuresS13, indicates that the value of VS.LSS_cpiMafEIRfailuresS13 has exceeded a threshold in the last 5 minute interval. This counter monitors the percentage of unsuccessful EquipmentCheckRequest (ECR) to the number of ECRs attempted. The calculated percentage is compared against provisioned thresholds for Minor, Major, and Critical alarm conditions.		
Remedial action: Verify the far end HSS (EIR) is functioning properly. Check fs.log for any ECR/ECA/S13 related errors to aid in determining the cause. Contact next level of support.		

Table 19-370 WmmLSS_cpiMafExtServiceReqFailuresSysRelated

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_cpiMafExtServiceReqFailuresSysRelated (4235) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The raised alarm LSS_cpiMafExtServiceReqFailuresSysRelated indicates meeting a threshold of the Extended Service Request System Related Failure CPI.		
Remedial action: Verify that S1, S6a, S11 and SGs links are Unlocked/Enabled using link_cli Verify that there are no overload alarms on MME Contact Customer Support		

Table 19-371 WmmLSS_cpiMafExtServiceRequestFailures

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_cpiMafExtServiceRequestFailures (4236) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The raised alarm LSS_cpiMafExtServiceRequestFailures indicates meeting a threshold of the Extended Service Request Failure CPI.		
Remedial action: Verify MME provisioning data, especially PLMN, TAI-LAI-Mapping, LAI tables Verify that S1, S6a, S11 and SGs links are Unlocked/Enabled using link_cli Verify that there are no overload alarms on MME Contact Customer Support		

Table 19-372 WmmLSS_cpiMafFailuresOverSGs

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_cpiMafFailuresOverSGs (4237) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The raised alarm, LSS_cpiMafFailuresOverSGs, indicates meeting/exceeding a threshold of the rate of failure for handling messages from the SGs interface, which is calculated every 5 minutes.		
Remedial action: Verify that the SGs links are in-service/normal, using the link_cli command. Contact Alcatel-Lucent Customer Support		

Table 19-373 WmmLSS_cpiMafHLRAuthFail

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_cpiMafHLRAuthFail (4238) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The raised alarm, LSS_cpiMafHLRAuthFail, indicates meeting/exceeding a threshold of the rate of failure for handling Authentication failure messages from the HLR, which is calculated every 5 minutes.		
Remedial action: Verify that the Gr link is in-service/normal, using the link_cli command. Contact Alcatel-Lucent Customer Support		

Table 19-374 WmmLSS_cpiMafHSSreselection

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_cpiMafHSSreselection (4805) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 7.0.0 • 7.1.0 • 8.0.0
Description: The raised alarm cpiHSSreselection indicates meeting a threshold of the rate of HSS reselection during Authentication or Update Location procedures CPI.		
Remedial action: Contact Alcatel-Lucent Customer Support.		

Table 19-375 WmmLSS_cpiMafPDNconnWithPGWreselection

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_cpiMafPDNconnWithPGWreselection (4806) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 7.0.0 • 7.1.0 • 8.0.0
Description: The raised alarm cpiPDNconnWithPGWreselection indicates meeting a threshold of the rate of PGW reselection during PDN connectivity procedures CPI.		
Remedial action: Contact Alcatel-Lucent Customer Support.		

Table 19-376 WmmLSS_cpiMafServiceReqFailuresSysRelated

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_cpiMafServiceReqFailuresSysRelated (4239) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The raised alarm, LSS_cpiMafServiceReqFailuresSysRelated, indicates meeting/exceeding a threshold of the rate of system-related failures for UE Service Request procedures, which is calculated every 5 minutes.		
Remedial action: Verify that the S1, S6a and S11 links are in-service/normal, using the link_cli command. Verify that no overload alarms exist on the MME. Contact Alcatel-Lucent Customer Support		

Table 19-377 WmmLSS_cpiMafTauFailuresInterMme

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_cpiMafTauFailuresInterMme (4240) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The raised alarm, LSS_cpiMafTauFailuresInterMme, indicates meeting/exceeding a threshold of the rate of failure of Tracking Area Update procedures involving MME relocation which is calculated every 5 minutes.		
Remedial action: Verify that the eNB, and MME links are in-service/normal, using the link_cli command. Contact Alcatel-Lucent Customer Support to determine the status of the serving eNB and the MME groups serving the eNB that is involved in the TAU procedure		

Table 19-378 WmmLSS_cpiMafTauFailuresInterMmeInterSgw

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_cpiMafTauFailuresInterMmeInterSgw (4241) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The raised alarm, LSS_cpiMafTauFailuresInterMmeInterSgw, indicates meeting/exceeding a threshold of the rate of failure of Tracking Area Update procedures involving MME relocation and SGW relocation which is calculated every 5 minutes.		
Remedial action: Verify that the HSS, eNB, SGW, and MME links are in-service/normal, using link_cli. Verify UE subscription information in HSS. Contact Alcatel-Lucent Customer Support to determine the status of the serving eNB, MME groups, and SGW Pools serving the eNB that are involved in the TAU procedure.		

Table 19-379 WmmLSS_cpiMafTauFailuresInterSgw

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_cpiMafTauFailuresInterSgw (4242) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The raised alarm, LSS_cpiMafTauFailuresInterSgw, indicates meeting/exceeding a threshold of the rate of failure of Tracking Area Update procedures involving SGW relocation, which is calculated every 5 minutes.		
Remedial action: Verify that the eNB, and SGW links are in-service/normal, using the link_cli command. Contact Alcatel-Lucent Customer Support to determine the status of the serving eNB and the SGW Pools serving the eNB that is involved in the TAU procedure		

Table 19-380 WmmLSS_cpiMBMSSessionStartM3FailureRate

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_cpiMBMSSessionStartM3FailureRate (4227) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The raised alarm LSS_cpiMBMSSessionStartM3FailureRate indicates meeting a threshold of the MBMS Session Start M3 Failure Rate CPI.		
Remedial action: For failures attributed to the MCE, check the MCE/eNB and network connections for errors. For failures attributed to the MME, check the M3 link status and MME service status. Check fs.log for error indications related to M3 interface procedures, contact Alcatel-Lucent Customer Support if internal MME errors are indicated.		

Table 19-381 WmmLSS_cpiMBMSSessionStartSmFailureRate

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_cpiMBMSSessionStartSmFailureRate (4228) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The raised alarm LSS_cpiMBMSSessionStartSmFailureRate indicates meeting a threshold of the MBMS Session Start Sm Failure Rate CPI.		
Remedial action: For failures attributed to the MBMS-GW, check the MBMS-GW and network for errors. For failures attributed to the MME, check the Sm link status and MME service status. Check fs.log for error indications related to Sm interface procedures, contact Alcatel-Lucent Customer Support if internal MME errors are indicated.		

Table 19-382 WmmLSS_cpiMBMSSessionStopM3FailureRate

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_cpiMBMSSessionStopM3FailureRate (4229) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The raised alarm LSS_cpiMBMSSessionStopM3FailureRate indicates meeting a threshold of the MBMS Session Stop M3 Failure Rate CPI.		
Remedial action: For failures attributed to the MCE, check the MCE/eNB and network connections for errors. For failures attributed to the MME, check the M3 link status and MME service status. Check fs.log for error indications related to M3 interface procedures, contact Alcatel-Lucent Customer Support if internal MME errors are indicated.		

Table 19-383 WmmLSS_cpiMBMSSessionStopSmFailureRate

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_cpiMBMSSessionStopSmFailureRate (4230) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The raised alarm LSS_cpiMBMSSessionStopSmFailureRate indicates meeting a threshold of the MBMS Session Stop Sm Failure Rate CPI.		
Remedial action: For failures attributed to the MBMS-GW, check the MBMS-GW and network for errors. For failures attributed to the MME, check the Sm link status and MME service status. Check fs.log for error indications related to Sm interface procedures, contact Alcatel-Lucent Customer Support if internal MME errors are indicated.		

Table 19-384 WmmLSS_cpiMBMSSessionUpdateM3FailureRate

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_cpiMBMSSessionUpdateM3FailureRate (4231) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The raised alarm LSS_cpiMBMSSessionUpdateM3FailureRate indicates meeting a threshold of the MBMS Session Update M3 Failure Rate CPI.		
Remedial action: For failures attributed to the MCE, check the MCE/eNB and network connections for errors. For failures attributed to the MME, check the M3 link status and MME service status. Check fs.log for error indications related to M3 interface procedures, contact Alcatel-Lucent Customer Support if internal MME errors are indicated.		

Table 19-385 WmmLSS_cpiMBMSSessionUpdateSmFailureRate

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_cpiMBMSSessionUpdateSmFailureRate (4232) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The raised alarm LSS_cpiMBMSSessionUpdateSmFailureRate indicates meeting a threshold of the MBMS Session Update Sm Failure Rate CPI.		
Remedial action: For failures attributed to the MBMS-GW, check the MBMS-GW and network for errors. For failures attributed to the MME, check the Sm link status and MME service status. Check fs.log for error indications related to Sm interface procedures, contact Alcatel-Lucent Customer Support if internal MME errors are indicated.		

Table 19-386 WmmLSS_cpiMemAllocFail

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_cpiMemAllocFail (4243) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The raised alarm, LSS_cpiMemAllocFail, indicates the value of the VS.memAllocFail measurement monitored by the failed memory allocation attempts CPI exceeded a threshold in the last 15 minute interval.		
Remedial action: Investigate the amount of load being handled by this service and take steps to reduce it if it is excessive. Otherwise contact Alcatel-Lucent Customer Support. If this alarm coincides with the introduction of a software update, contact Alcatel-Lucent Customer Support immediately. This alarm will clear automatically if the rate of memory allocation failures drops below the threshold.		

Table 19-387 WmmLSS_cpiNoPSHOFailuresOverSv

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_cpiNoPSHOFailuresOverSv (4244) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The raised alarm LSS_cpiNoPSHOFailuresOverSv indicates meeting a threshold of the Hand Down to UTRAN/GERAN via the Sv interface without PSHO Failure Rate CPI.		
Remedial action: Check counters and alarms related to the Sv interface. Verify network connectivity and proper configuration between the MME and LVI(s). Check the target UTRAN/GERAN network for configuration problems that could cause the handover preparation attempts to be rejected. Check the source E-UTRAN network and target UTRAN/GERAN network for handover failure conditions. Check fs.log for error indications related to Sv interface procedures. Contact next level of support if internal MME errors are indicated.		

Table 19-388 WmmLSS_cpiPSHOFailuresOverSv

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_cpiPSHOFailuresOverSv (4245) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The raised alarm LSS_cpiPSHOFailuresOverSv indicates meeting a threshold of the Hand Down to UTRAN/GERAN via the Sv interface with PSHO Failure Rate CPI.		
Remedial action: Check counters and alarms related to the Sv interface. Verify network connectivity and proper configuration between the MME and MSC(s). Check the target UTRAN/GERAN network for configuration problems that could cause the handover preparation attempts to be rejected. Check the source E-UTRAN network and target UTRAN/GERAN network for handover failure conditions. Check fs.log for error indications related to Sv interface procedures. Contact next level of support if internal MME errors are indicated.		

Table 19-389 WmmLSS_cpiReinitServiceSelf

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_cpiReinitServiceSelf (4246) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The raised alarm LSS_cpiReinitServiceSelf indicates the value of the VS.reinitServiceSelf measurement monitored by the Automatic Service Re-initialization CPI exceeded a threshold in the last 15 minute interval.		
Remedial action: This alarm will clear automatically if the rate of re-initializations drops below the threshold. Check that a switch over has successfully occurred. Determine if any other alarms have been recently raised on the resource reported and address them. As this is likely the result of recovery escalation, one or more of these alarms may also be raised: LSS_cpiAsrtEsc, LSS_cpiExceptionService, LSS_cpiRestartTask. If a provisioning or configuration change was executed just before the alarm was raised, consider that the change is causing the problem. If a Software Update (SU) or Patch is being soaked, then this could indicate a problem with the software delivered; immediately contact Alcatel-Lucent Customer Support. If the situation persists after a switch-over, be sure that the prior active host of the service was removed from service and restored completely. Attempt another switch over to the original active host for the service if that has not already occurred. If the situation persists after two or more switch-overs of the pair within the service, then attempt to duplex fail the service. Attempt to power down the card providing the service and then restore it. If the problem clears, this suggests faulty hardware. In all cases, contact customer support regarding this alarm.		

Table 19-390 WmmLSS_cpiS3TauFailures

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_cpiS3TauFailures (4247) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The raised alarm, LSS_cpiS3TauFailures, indicates meeting/exceeding a threshold of the rate of failure of Tracking Area Update procedures from an SGSN to the MME over an S3 link.		

(1 of 2)

19 – Alcatel-Lucent 9471 WMM alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: Verify that the eNB, SGW, HSS, and SGSN S3 links are in-service/normal, using link_cli. Verify the operational status of the SGSN and that the SGSN is responding to messages over the S3 link. Verify the operational status of the DNS server and that the DNS entries for the SGW are correct. Contact Alcatel-Lucent Customer Support to determine the status of the serving eNB, the HSS and the SGW serving the eNB that is involved in the TAU procedure.		

(2 of 2)

Table 19-391 WmmLSS_cpiS3TauFailuresInterSgw

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_cpiS3TauFailuresInterSgw (4248) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The raised alarm, LSS_cpiS3TauFailuresInterSGW, indicates meeting/exceeding a threshold of the rate of failure of Tracking Area Update procedures from an SGSN to the MME over an S3 link that involves a change of serving SGW.		
Remedial action: Verify that the eNB, SGW, HSS, and SGSN S3 links are in-service/normal, using link_cli. Verify the operational status of the SGSN and that the SGSN is responding to messages over the S3 link. Verify the operational status of the DNS server and that the DNS entries for the SGW are correct. Contact Alcatel-Lucent Customer Support to determine the status of the serving eNB, the HSS and the SGW serving the eNB that is involved in the TAU procedure.		

Table 19-392 WmmLSS_cpiS3TauFailuresIntraSGW

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_cpiS3TauFailuresIntraSGW (4249) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The raised alarm, LSS_cpiS3TauFailuresIntraSGW, indicates meeting/exceeding a threshold of the rate of failure of Tracking Area Update procedures from an SGSN to the MME over an S3 link that do not involve a change of serving SGW.		
Remedial action: Verify that the eNB, SGW, HSS, and SGSN S3 links are in-service/normal, using link_cli. Verify the operational status of the SGSN and that the SGSN is responding to messages over the S3 link. Verify the operational status of the DNS server and that the DNS entries for the SGW are correct. Contact Alcatel-Lucent Customer Support to determine the status of the serving eNB, the HSS and the SGW serving the eNB that is involved in the TAU procedure.		

Table 19-393 WmmLSS_cpiStopWarnMsgDeliveryS1MMEFailureRate

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_cpiStopWarnMsgDeliveryS1MMEFailureRate (4250) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The raised alarm LSS_cpiStopWarnMsgDeliveryS1MMEFailureRate indicates meeting a threshold of the Stop Warning Message Delivery S1MME Failure Rate CPI.		
Remedial action: Verify that the S1MME links are in-service/normal, using link_cli. Verify the operational status of the eNBs and that the eNBs are responding to messages over the S1MME link. Contact Alcatel-Lucent Customer Support to determine the status of the eNBs that are involved in the Stop Warning Message procedure.		

Table 19-394 WmmLSS_cpiStopWarnMsgDeliverySBcFailureRate

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_cpiStopWarnMsgDeliverySBcFailureRate (4251) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The raised alarm LSS_cpiStopWarnMsgDeliverySBcFailureRate indicates meeting a threshold of the Stop Warning Message Delivery SBc Failure Rate CPI.		
Remedial action: Verify that the SBC links are in-service/normal, using link_cli. Verify that the S1MME links are in-service/normal, using link_cli. Verify the operational status of the CBC. Verify the operational status of the eNBs and that the eNBs are responding to messages over the S1MME link. Contact Alcatel-Lucent Customer Support to determine the status of the CBC and eNBs that are involved in the Stop Warning Message procedure.		

Table 19-395 WmmLSS_cpiUECapacityUsage

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_cpiUECapacityUsage (4252) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The raised alarm, cpiUECapacityUsage, indicates meeting a threshold of a UE capacity utilization rate on a per MAF service basis in the last 5 minutes.		
Remedial action: Check how many MAF services the MME has and consider to install more MAF services to increase the MME capacity.		

Table 19-396 WmmLSS_cpiWarnMsgDeliveryS1MMEFailureRate

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_cpiWarnMsgDeliveryS1MMEFailureRate (4253) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The raised alarm LSS_cpiWarnMsgDeliveryS1MMEFailureRate indicates meeting a threshold of the Warning Message Delivery S1MME Failure Rate CPI.		
Remedial action: Verify that the S1MME links are in-service/normal, using link_cli. Verify the operational status of the eNBs and that the eNBs are responding to messages over the S1MME link. Contact Alcatel-Lucent Customer Support to determine the status of the eNBs that are involved in the Write Replace Warning Message procedure.		

Table 19-397 WmmLSS_cpiWarnMsgDeliverySBcFailureRate

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_cpiWarnMsgDeliverySBcFailureRate (4254) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The raised alarm LSS_cpiWarnMsgDeliverySBcFailureRate indicates meeting a threshold of the Warning Message Delivery SBc Failure Rate CPI.		
Remedial action: Verify that the SBC links are in-service/normal, using link_cli. Verify that the S1MME links are in-service/normal, using link_cli. Verify the operational status of the CBC. Verify the operational status of the eNBs and that the eNBs are responding to messages over the S1MME link. Contact Alcatel-Lucent Customer Support to determine the status of the CBC and eNBs that are involved in the Write Replace Warning Message procedure.		

Table 19-398 WmmLSS_cpuOverload

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_cpuOverload (4255) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: This alarm indicates that the CPU utilization on a service has exceeded the threshold. The overload could be caused by one or more of the following reasons: base overload, per-service quota restriction overload or thread level CPU overload. The 'Additional Info' field of the alarm report will list the contributing causes. When thread level CPU overload level changes, a corresponding profile report is also generated.		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: Verify that no running debug or testing tool is running that uses a lot of CPU. If CPU utilization regularly exceeds thresholds, investigate how the call traffic load can be reduced: Reengineer so less traffic is directed to this office or card. If your application supports higher-capacity cards, consider replacing them. Verify if there are enough call servers, device servers, etc., to handle the expected load and add additional cards as appropriate.		

(2 of 2)

Table 19-399 WmmLSS_databaseConnectionLost

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_databaseConnectionLost (4257) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: This alarm can be displayed during the initiation of CNFG server (startFS or startCNFG), when the host_manager fails to connect to the database.		
Remedial action: Stop and restart the database using the following commands: stopFS sudo RCCmachoffline -u sudo RCCmachonline startFS If this alarm is fired from CDR host and not cleared, contact Alcatel-Lucent Customer Support.		

Table 19-400 WmmLSS_databaseReplicationLinkDown

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_databaseReplicationLinkDown (4258) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: This alarm will be displayed when a database replication link is down.		
Remedial action: The host on one end of the bad link should be brought gracefully offline and online. Any active services on the blade should be switched to the mate host prior to bring the host offline. When the host is back online check replications links using 'lss login, type dbcli -R'.		

Table 19-401 WmmLSS_databaseSizeExhausted

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_databaseSizeExhausted (4259) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: This alarm is raised when a database approaches full capacity.		

(1 of 2)

19 – Alcatel-Lucent 9471 WMM alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: If the alarm is a warning (84% full), the system impact on the specified database reaching capacity should be investigated. In some instances, a database at 84% capacity is acceptable. Contact Alcatel-Lucent Customer Support for additional details. If the alarm becomes Major (96% full), field support should be contacted. In most cases, steps to reduce the size of the database should be implemented. Alcatel-Lucent Customer Support should be contacted to assist in the investigation to reduce the size of the impacted database.		

(2 of 2)

Table 19-402 WmmLSS_dataMismatch

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_dataMismatch (4256) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: A data mismatch has been detected, which indicates that there has been an error in provisioning. The additionalText field of the event provides the details of the data mismatch.		
Remedial action: A data mismatch has been detected, which indicates that there has been an error in provisioning. The mismatch is most probably between the configurations of the SCTP profile and Interface profile and between the network interface types. Another probable cause is that provisioned for an interface do not match the IP addresses learned from the remote end in the SCTP INIT-ACK message. This alarm must be manually cleared after the provisioned data is corrected.		

Table 19-403 WmmLSS_dbHighCpuUtilization

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_dbHighCpuUtilization (4260) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: This alarm indicates very high CPU time usage by a database system process.		
Remedial action: The host and pid of the process are printed in the alarm. Monitor CPU usage of this pid and contact Alcatel-Lucent Customer Support. This condition can generally be cleared by stopping and then starting RCC VM on the affected host.		

Table 19-404 WmmLSS_dbOffline

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_dbOffline (4261) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Description: This alarm will be displayed when the database is offline.		
Remedial action: Normally the alarm will be cleared automatically when Datablitz servers recover; If this alarm is not cleared, please contact Alcatel-Lucent Customer Support.		

(2 of 2)

Table 19-405 WmmLSS_dbStatusUnexpected

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_dbStatusUnexpected (4262) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: This alarm will be displayed when the DataBlitz database can not be accessed.		
Remedial action: Normally the alarm will be cleared automatically when Datablitz database(s) becomes accessible. If this alarm is not cleared, please contact Alcatel-Lucent Customer Support.		

Table 19-406 WmmLSS_degradedResource

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_degradedResource (4263) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: A Critical Application Resource (CAR) has reached a degraded condition that indicates some aspect of the switch is not performing as expected. The affected service member is indicated in the alarm by the PoolType, PoolId, and PoolMemberId.		
Remedial action: The root cause depends on the specific resource that is degraded. From the alarm, determine the service member that is degraded, as shown by the PoolType, PoolId, and PoolMemberId. On the MI GUI, go to the Management Interface window. Under the appropriate shelf, click Service Members. In the Service Members window, right click the appropriate service member, and choose Display Degraded Critical Resources. A pop-up window will display the 'Resource name' for each resource that is causing the service member to be degraded. In most cases, when a resource is degraded, the associated alarm will be firing. See the entry for this alarm in the '9471 Mobility Management Entity Alarm Dictionary 418-111-208' for a list of resources and the associated alarms.		

Table 19-407 WmmLSS_degrow

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_degrow (4264) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0

(1 of 2)

19 – Alcatel-Lucent 9471 WMM alarms

Alarm	Attributes	Applicable major NE releases
Description: When performing SIM degrow procedure, failures that occur will result in the generation of DEGROW alarm.		
Remedial action: Based on the type of failure encountered, recovery actions may vary. If the DEGROW alarm is generated, contact Alcatel-Lucent Customer Support. Once the failure is corrected, a resumption of the SIM procedures will automatically clear the alarm.		

(2 of 2)

Table 19-408 WmmLSS_deviceServerCxnLost

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_deviceServerCxnLost (5077) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 7.1.0 • 8.0.0
Description: This alarm is generated when the mate-to-mate connection is lost for some service instance pairs. The service instance pairs that this alarm applies to includes: AMMS, H248, IMS, and the MPH.		
Remedial action: The alarm clears automatically when the switch-over is completed. If the alarm is not the result of a manual action, then the alarm will automatically clear within a minute. Customer Technical Support should be contacted if the alarm does not clear automatically. If the alarm is the result of a manual action, such as taking a host out of service, then the alarm will clear when the host is manually placed back into service.		

Table 19-409 WmmLSS_diskGoingDown

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_diskGoingDown (4265) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: This alarm indicates that the Smart Monitor Tool Set (smartmontools) has determined that the Disk Drive for this LCP Host is going down, and is predicting failure in the next 24 hours.		
Remedial action: Backup Recovery actions for this LCP Host should be immediately executed. Alcatel-Lucent Customer Support should be immediately contacted		

Table 19-410 WmmLSS_diskSector

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_diskSector (4266) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Description: This alarm indicates that the Smart Monitor Tool Set (smartmontools) has determined that the Disk Drive for this LCP Host has a bad sector.		
Remedial action: The card reporting the problem should be replaced, following the card replacement procedures.		

(2 of 2)

Table 19-411 WmmLSS_dnsThreshold

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_dnsThreshold (4267) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: This alarm indicates returned number of IP addresses in DNS query of diameter fully-qualified domain name (FQDN) exceeds its number threshold.		
Remedial action: Verify that destination FQDN is correctly provisioned on the GUI Verify that FQDN is correctly provisioned on the external DNS server(IP addresses count should be less than threshold value).		

Table 19-412 WmmLSS_ethernetError

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_ethernetError (4268) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: One of the two Ethernet Links on a Service Host has failed.		
Remedial action: Regardless of the cause of the Ethernet Link alarm, integrity software running on the affected Service Host should automatically initiate a switch to redundant hardware to ensure that the effects of the failure are minimized. The following recovery actions may, in fact, be automatically initiated: Service Host switch, if multiple Ethernet Links are affected Ethernet Link switch, if a single Active Ethernet Link is affected None, if the hardware failure affects a Standby Ethernet Link The reason for the failure needs to be understood and corrected. It is possible that the Service Host Ethernet Port failed, the cabling that interconnects the Ethernet Port to the network is cut, the Routers and/or Ethernet Switches that make up the Alcatel-Lucent SoftSwitch Network failed. Investigate each of these reasons and discount or correct. Once corrected, the alarm will be cleared.		

Table 19-413 WmmLSS_ethernetLinkDown

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_ethernetLinkDown (4269) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The redundant Ethernet link has gone down on one of the diskless hosts. A link switchover may have occurred to move communication for that host to the remaining link, which is now simplex.		
Remedial action: Determine if any related alarms are also present, such as on the ESC, chassis, or board itself. Correct those alarms first and see if this alarm clears as a result. On Alcatel-Lucent CP 1000: Verify that the cable from the corresponding faceplate port to the external Ethernet router is connected and is good. Replace as necessary. On other Alcatel-Lucent Products: Verify that the ESC corresponding to this link is operational by viewing its status at MI, and by telnet to the ESC card. Correct or replace ESC as necessary. On Alcatel-Lucent 5400 LCP: Verify that the hub corresponding to this link is operational by viewing its status at MI, and by telnet to the Hub. Correct or replace Hub as necessary. On Alcatel-Lucent CP 1000: Verify that the external Ethernet router is operational. Correct or replace as necessary. On other Alcatel-Lucent Products: On the ESC verify that the Ethernet port corresponding to the card for this host is operational. Re-enable port as necessary. On Alcatel-Lucent 5400 LCP: On the hub verify that the Ethernet port corresponding to the card for this host is operational. Re-enable port as necessary. Replace the card used for this host using the appropriate FRU procedure as necessary. On Alcatel-Lucent CP 1000: Replace the card used for this host using the appropriate FRU procedure. If the above steps do not clear the alarm, contact Alcatel-Lucent Customer Support.		

Table 19-414 WmmLSS_excessiveExternalLinksDown

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_excessiveExternalLinksDown (4807) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 7.0.0 • 7.1.0 • 8.0.0
Description: An excessive number of links of a given type (e.g. s1mme, s11, etc.) are down. This is usually due to a network connectivity problem and not the individual links between the WMM and the external entity. Once this alarm is triggered the WMM will stop reporting alarms and status for links of the given type. Once the network problem is resolved and the number of links down is no longer excessive, this alarm will clear and the status of all links of the given type will be updated. This alarm is raised when at least 100 links of a given type are down. This alarm clears when 95 or fewer links are down.		
Remedial action: Determine that there are no errors within the IP network. If the network entity data is provisioned on MME, verify the data is correct. Verify the network entity that MME fails to communicate with is in service.		

Table 19-415 WmmLSS_externalConnectivity

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_externalConnectivity (4270) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The system detected a problem or a state change to external connectivity.		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: For INFO alarm, there is no action needed. For MAJOR and CRITICAL alarm, verify the cable connections from both HUB cards to customer layer 2 switches, check if the cables are plugged properly. For MAJOR and CRITICAL alarm, verify the port status on HUB cards, the port connect to the customer network should be in service. For MAJOR and CRITICAL alarm, verify the individual Ethernet port status on the HUB card for the given host with the alarm. For the CRITICAL alarm, verify connectivity to/from each of the IPs listed in the ARP list from the given host with the alarm. Check the next hop reported as failing. Contact Alcatel-Lucent Customer Support for the correction procedure if previous steps do not correct it.		

(2 of 2)

Table 19-416 WmmLSS_externalLinkConfigurationLimit

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_externalLinkConfigurationLimit (4410) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> 7.0.0 7.1.0 8.0.0
Description: The maximum number of links for a given link type has been reached. When this limit is reached, it is not possible to create any new links of the given link type. Every 15 minutes a check will be performed in an attempt to recover any links which have not been used or have been disabled due to lack of far-end response. A configurable parameter, TdynMO, is used to control the aging algorithm for link recovery.		
Remedial action: Wait at least TdynMO time interval to allow the system to recover inactive or disabled links. If the system does not recover any links after TdynMO time interval, contact Alcatel-Lucent Customer Support.		

Table 19-417 WmmLSS_externalLinkDown

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_externalLinkDown (4271) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> 7.0.0 7.1.0 8.0.0
Description: Communication between WMM and another network entity can not be established.		
Remedial action: Verify the network entity that WMM fails to communicate with is in service. Determine that there are no errors within the IP network. If the network entity data is provisioned on WMM, verify the data is correct. If multiple links that terminate on the MIF (X1_1 or X2) are down, try switching MIF to hot-standby mate. If multiple links that terminate on the MPH (non-X1_1 and non-X2) are down, try switching MPH to hot-standby mate.		

Table 19-418 WmmLSS_failedAttachReqsRateExceeded

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_failedAttachReqsRateExceeded (4272) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The raised alarm, LSS_failedAttachReqsRateExceeded, indicates the value of the VS.cpiAttachFailures measurement, monitored when failure Attach request CPI exceeded a threshold in the last 15 minute interval. This value computes the failure rate for the UE Attach procedure, and compares the calculation against provisioned thresholds for Minor, Major, and Critical alarm conditions		
Remedial action: Verify that the eNB, HSS and SGW links are in-service/normal, using the link_cli command. If the links look normal, and the alarm persists, contact Alcatel-Lucent Customer Support.		

Table 19-419 WmmLSS_failedAuthRequestsHSSRateExceeded

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_failedAuthRequestsHSSRateExceeded (4273) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The raised alarm, LSS_failedAuthRequestsHSSRateExceeded, indicates the value of VS.cpiHSSauthFailures measurement, monitored when HSS failed Authentication requests exceeded a threshold in the last 15 minute interval. This value computes the failure rate for the Authentication procedure between the MME and the HSS, and compares the calculation against provisioned thresholds for Minor, Major, and Critical alarm conditions		
Remedial action: Clearance options include: Ensure communication between the MME and HSS (ping) If the HSS (S6a) link looks normal (using the link_cli command), and alarm persists, contact Alcatel-Lucent Customer Support.		

Table 19-420 WmmLSS_failedAuthRequestsUERateExceeded

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_failedAuthRequestsUERateExceeded (4274) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The raised alarm, LSS_failedAuthRequestsUERateExceeded, indicates the value of VS.cpiUEauthFailures measurement, monitored when UE failed Authentication requests exceeded a threshold in the last 15 minute interval. This value computes the failure rate for the Authentication procedure between the MME and the UE and compares the calculation against provisioned thresholds for Minor, Major, and Critical alarm conditions.		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: Verify HSS and UE authentication data, using ueadmin_cli. If the authentication data looks good, and the alarm persists, contact Alcatel-Lucent Customer Support.		

(2 of 2)

Table 19-421 WmmLSS_failedCrDedBearerReqsRateExceeded

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_failedCrDedBearerReqsRateExceeded (4275) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The raised alarm, LSS_failedCrDedBearerReqsRateExceeded, indicates the value of VS.cpiCreateDedicatedBearerFailures measurement, monitored when failure on Create Dedicated Bearer request exceeded a threshold in the last 15 minute interval. This value computes the failure rate for the Create Dedicated Bearer procedure, and compares the calculation against provisioned thresholds for Minor, Major, and Critical alarm conditions.		
Remedial action: Contact Alcatel-Lucent Customer Support.		

Table 19-422 WmmLSS_failedDeactDedBearerReqsRateExceeded

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_failedDeactDedBearerReqsRateExceeded (4276) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The raised alarm, LSS_failedDeactDedBearerReqsRateExceeded, indicates the value of VS.cpiDeactivateDedBearerFailures measurement, monitored when failure on Deactivate Dedicated Bearer request exceeded a threshold in the last 15 minute interval. This value computes the failure rate for the Deactivate Dedicated Bearer procedure, and compares the calculation against provisioned thresholds for Minor, Major, and Critical alarm conditions.		
Remedial action: Contact Alcatel-Lucent Customer Support.		

Table 19-423 WmmLSS_failedHRPDhandoverRateExceeded

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_failedHRPDhandoverRateExceeded (4277) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The raised alarm, LSS_failedHRPDhandoverRateExceeded, indicates the value of VS.cpiHRPDHoFailures measurement, monitored when failure on a HRPD Handover request exceeded a threshold in the last 15 minute interval. This value computes the failure rate for the Handover to HRPD procedure, and compares the calculation against provisioned thresholds for Minor, Major, and Critical alarm conditions.		
Remedial action: Look at all the failure counters for the Handover to HRPD procedure in the PMC XML files to determine if one failure cause predominates. If one is found, check User Documentation for any remedies specific to the found cause.		

Table 19-424 WmmLSS_failedMobileTermLocRequestRateExceeded

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_failedMobileTermLocRequestRateExceeded (4278) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The raised alarm LSS_failedMobileTermLocRequestRateExceeded indicates meeting a threshold of the Mobile Termination Location Request Failure CPI.		
Remedial action: Verify that the S1-MME and SLs links are in-service/normal, using link_cli. Refer to the Location Based Services failure counters to get a more specific failure reason. Contact Alcatel-Lucent Customer Support to determine the status of the SMLC that are involved in the LCS procedure.		

Table 19-425 WmmLSS_failedNetwrkInducedLocRequestRateExceeded

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_failedNetwrkInducedLocRequestRateExceeded (4279) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The raised alarm LSS_failedNetwrkInducedLocRequestRateExceeded indicates meeting a threshold of the Network Induced Location Request Failure CPI.		
Remedial action: Verify that the S1-MME and SLs links are in-service/normal, using link_cli. Refer to the Location Based Services failure counters to get a more specific failure reason. Contact Alcatel-Lucent Customer Support to determine the status of the SMLC that are involved in the LCS procedure.		

Table 19-426 WmmLSS_failedNumHOFwdRelocRateExceeded

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_failedNumHOFwdRelocRateExceeded (4280) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The raised alarm, LSS_failedNumHOFwdRelocRateExceeded, indicates the value of VS.cpiHowMMERelocFailures_atTarget measurement, monitored when failure on Handover request, with MME forward relocation, exceeded a threshold in the last 15 minute interval. This value computes the failure rate at the Target MME for the Handover procedure with MME relocation, and compares the calculation against provisioned thresholds for Minor, Major, and Critical alarm conditions.		
Remedial action: Look at all the failure counters for the Handover procedure with MME relocation (at the Target MME) in the PMC XML files to determine if one failure cause predominates. If one is found, check User Documentation for any remedies specific to the found cause.		

Table 19-427 WmmLSS_failedNumHOPathSwNewSgwRateExceeded

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_failedNumHOPathSwNewSgwRateExceeded (4281) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The raised alarm, LSS_failedNumHOPathSwNewSgwRateExceeded, indicates the value of VS.cpiHowSGWrelocFailures measurement, monitored when failure on Handover Path Switch request, to a different Serving Gateway, exceeded a threshold in the last 15 minute interval. This value computes the failure rate for the Handover procedure without MME relocation and with SGW relocation, and compares the calculation against provisioned thresholds for Minor, Major, and Critical alarm conditions.		
Remedial action: Look at all the failure counters for the Handover procedure without MME relocation and with SGW relocation in the PMC XML files to determine if one failure cause predominates. If one is found, check User Documentation for any remedies specific to the found cause.		

Table 19-428 WmmLSS_failedNumHOPathSwSameSgwRateExceeded

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_failedNumHOPathSwSameSgwRateExceeded (4282) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0

(1 of 2)

19 – Alcatel-Lucent 9471 WMM alarms

Alarm	Attributes	Applicable major NE releases
Description: The raised alarm, LSS_failedNumHOPathSwSameSgwRateExceeded, indicates the value of VS.cpiHwNoRelocFailures measurement, monitored when failure on Handover Path Switch request, to same Serving Gateway, exceeded a threshold in the last 15 minute interval. This value computes the failure rate for the Handover procedure without MME relocation and without SGW relocation, and compares the calculation against provisioned thresholds for Minor, Major, and Critical alarm conditions.		
Remedial action: Contact Alcatel-Lucent Customer Support.		

(2 of 2)

Table 19-429 WmmLSS_failedNumHORRequiredRateExceeded

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_failedNumHORRequiredRateExceeded (4283) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The raised alarm, LSS_failedNumHOR requiredRateExceeded, indicates the value of VS.cpiHwMMERelocFailures_atSource measurement, monitored when failure on Handover request, with MME relocation, exceeded a threshold in the last 15 minute interval. This value computes the failure rate at the source MME for the Handover procedure with MME relocation, and compares the calculation against provisioned thresholds for Minor, Major, and Critical alarm conditions.		
Remedial action: Look at all the failure counters for the Handover procedure with MME relocation (at the Source MME) in the PMC XML files to determine if one failure cause predominates. If one is found, check User Documentation for any remedies specific to the found cause.		

Table 19-430 WmmLSS_failedS1MMEconnEstRateExceeded

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_failedS1MMEconnEstRateExceeded (4284) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The raised alarm, LSS_failedS1MMEconnEstRateExceeded, indicates the value of VS.cpiS1MMEconnFailures measurement, monitored when failed S1MME Connect request exceeded a threshold in the last 15 minute interval. This value computes the failure rate for the eNB connection over S1-MME, and compares the calculation against provisioned thresholds for Minor, Major, and Critical alarm conditions.		
Remedial action: Verify PLMN or TAI provisioning data, via the MME provisioning GUI. After validation of the data, if the problem persists, contact Alcatel-Lucent Customer Support.		

Table 19-431 WmmLSS_failedServiceReqsRateExceeded

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_failedServiceReqsRateExceeded (4285) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The raised alarm, LSS_failedServiceReqsRateExceeded, indicates the value of cpiServiceRequestFailures measurement, monitored when failure on Service request exceeded a threshold in the last 15 minute interval. This value computes the failure rate for the UE Service Request procedure, and compares the calculation against provisioned thresholds for Minor, Major, and Critical alarm conditions.		
Remedial action: Ensure the S11 links to the SGW are normal, using the link_cli command. If the links look normal, and the alarm persists, contact Alcatel-Lucent Customer Support.		

Table 19-432 WmmLSS_failedTAURateExceeded

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_failedTAURateExceeded (4286) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The raised alarm, LSS_failedTAURateExceeded, indicates the value of VS.cpiTauFailures measurement, monitored when failure on Tracking Area Update request exceeded a threshold in the last 15 minute interval. This value computes the failure rate for the TAU procedure, and compares the calculation against provisioned thresholds for Minor, Major, and Critical alarm conditions.		
Remedial action: Contact Alcatel-Lucent Customer Support.		

Table 19-433 WmmLSS_failedUpdBearerReqsRateExceeded

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_failedUpdBearerReqsRateExceeded (4287) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The raised alarm, LSS_failedUpdBearerReqsRateExceeded, indicates the value of cpiUpdateBearerFailures measurement, monitored when failure on Update Bearer request exceeded a threshold in the last 15 minute interval. This value computes the failure rate for the Update Bearer procedure, and compares the calculation against provisioned thresholds for Minor, Major, and Critical alarm conditions.		
Remedial action: Ensure S11 links are normal, using the link_cli command. If the links are normal, and the alarm persists, contact Alcatel-Lucent Customer Support.		

Table 19-434 WmmLSS_failedUpdDedBearerReqsRateExceeded

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_failedUpdDedBearerReqsRateExceeded (4288) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The raised alarm, LSS_failedUpdDedBearerReqsRateExceeded, indicates the value of VS.cpiUpdateDedicatedBearerFailures measurement, monitored when failure on Update Dedicated Bearer request exceeded a threshold in the last 15 minute interval. This value computes the failure rate for the Update Dedicated Bearer procedure, and compares the calculation against provisioned thresholds for Minor, Major, and Critical alarm conditions.		
Remedial action: Verify that S11 links are normal, using the link_cli command. If links are normal, and the alarm persists, contact Alcatel-Lucent Customer Support.		

Table 19-435 WmmLSS_fru

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_fru (4289) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: When performing SIM fru procedure, failures that occur will result in the generation of FRU alarm.		
Remedial action: Based on the type of failure encountered, recovery actions may vary. If the FRU alarm is generated, contact Alcatel-Lucent Customer Support. Once the failure is corrected, a resumption of the SIM procedures will automatically clear the alarm.		

Table 19-436 WmmLSS_ggsnDnsError

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_ggsnDnsError (4290) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: GGSN DNS Selection unable to retrieve IP Address. This alarm must be manually cleared.		
Remedial action: Verify that the GGSN IP Address is provisioned correctly on DNS server. Manually clear the alarm.		

Table 19-437 WmmLSS_grow

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_grow (4291) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: When performing SIM grow procedure, failures that occur will result in the generation of GROW alarm.		
Remedial action: Based on the type of failure encountered, recovery actions may vary. If the GROW alarm is generated, contact Alcatel-Lucent Customer Support. Once the failure is corrected, a resumption of the SIM procedures will automatically clear the alarm.		

Table 19-438 WmmLSS_hostDown

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_hostDown (4292) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: A Service Host abnormally transitioned to an out-of-service state. (Note, this alarm will only be generated if the mate Service Host is in-service.)		
Remedial action: In general, the first few occurrences of the abnormal termination is automatically recovered by integrity software on the Service Host, in which case no manual action is necessary. When automatic recovery occurs the alarm clears automatically as well. However, if the unexpected event causing the abnormal termination occurs at a frequent enough rate, the Service Host can be left in a permanent Unavailable state. If in this state the alarm will not be cleared automatically and manual action is necessary to restore the Service Host. Bringing a Service Host software back to an In-Service state can be initiated from the MI. Ultimately, the reason for the abnormal termination needs to be determined and a fix provided. Fortunately, debugging output is sent to the MI Log File and core files are typically generated when these conditions occur. To aid Alcatel-Lucent Customer Support in providing a fix, the storage of the MI Log File and the collection of any core files at the time the error occurred should be done and made available. The location of generated core files is /var/core on the Service host that experienced the abnormal termination.		

Table 19-439 WmmLSS_internalCommunicationFailure

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_internalCommunicationFailure (4293) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 7.0.0 • 7.1.0 • 8.0.0
Description: Communication between active MIF member and active MAF/SAF member failed or communications between active MIF member and active MPH member failed.		

(1 of 2)

19 – Alcatel-Lucent 9471 WMM alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: Verfiy MPH, MIF and/or MAF have not been forced out-of-service. If communication is lost between the MPH and the MIF and it does not come back automatically, and MPH pool is in Active / Hot-standby state, try switching MPH to the standby member. If communication is lost between the MAF and the MIF and it does not come back automatically, and MAF pool is in Active / Hot-standby state, try switching MAF to the standby member. If communiacion is lost between the MIF and MPH and the MIF and MAFs and it does not come back automatically, and MIF pool is in Active / Hot-standby state, try switching MIF to the standby member.		

(2 of 2)

Table 19-440 WmmLSS_ippuBusError

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_ippuBusError (4294) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> 7.0.0 7.1.0 8.0.0
Description: There is a bus error on the indicated host between the HSPP4 hardware (iPPU) in the AMC slot and the host hardware.		
Remedial action: Determine if any related alarms are also present, such as on the ESC, chassis, or board itself. Correct those alarms first and see if this alarm clears as a result. On Alcatel-Lucent 9471 WMM: Utilize <code>ippu_cli</code> to print the status of the board on the OAM host. On Alcatel-Lucent 9471 WMM: Verify the appropriate FRUID via shelf manager is present in the given ShelfId CardId. On Alcatel-Lucent 9471 WMM: Visually verify HSPP4 hardware is present in the AMC slot of the alarm indicated with a ShelfId and CardId. On Alcatel-Lucent 9471 WMM: On the Shelf Manager, verify the shelf and card in the alarm has an HSPP4 iPPU in the AMC slot. If HSPP4 is not detected, attempt to powercycle the card. On Alcatel-Lucent 9471 WMM: On the Shelf Manager, verify the shelf and card in the alarm has an HSPP4 iPPU in the AMC slot. If HSPP4 is not detected, attempt to re-seat the card in the alarm by ShelfId and CardId. On Alcatel-Lucent 9471 WMM: On the Shelf Manager, verify the shelf and card in the alarm has an HSPP4 iPPU in the AMC slot. If HSPP4 is not detected, replace the card used for this host using the appropriate FRU procedure as necessary. On Alcatel-Lucent 9471 WMM: Attempt to reset the entire host (ShelfId/CardId) via appropriate CLI or MI. Before attempting this action, verify that there is an ACTIVE or STAND BY mate present in the system. If the above steps do not clear the alarm, contact Alcatel-Lucent Customer Support.		

Table 19-441 WmmLSS_ippuResourceReset

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_ippuResourceReset (4295) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> 7.0.0 7.1.0 8.0.0
Description: There was a software reset on the iPPU in the HSPP4 AMC or a restart by the PMB process in the host identified by ShelfId and CardId.		
Remedial action: Determine if any related alarms are present. Correct those alarms first and see if this alarm clears as a result. On Alcatel-Lucent 9471 WMM: Utilize <code>ippu_cli</code> to print the status of the board on the OAM host. On Alcatel-Lucent 9471 WMM: Before attempting this action, verify that there is an ACTIVE or STAND BY mate present in the system. Attempt to reset the entire card (shelf/slot) via appropriate CLI interface or MI. If the above steps do not clear the alarm, contact Alcatel-Lucent Customer Support.		

Table 19-442 WmmLSS_liNearingCapacityLimit

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_liNearingCapacityLimit (4296) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 7.0.0 • 7.1.0 • 8.0.0
Description: The number of lawful interceptions has reached 80% of MAF/SAF capacity.		
Remedial action: Use the query option of the li_target_cli command to verify that the appropriate set of UEs are selected for lawful interception.		

Table 19-443 WmmLSS_lostOfSDP

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_lostOfSDP (5152) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 7.1.0 • 8.0.0
Description: SDP is operationally down.		
Remedial action: Check SDP configuration. Use sdp-ping to check accessibility far-end. Manually clear the alarm.		

Table 19-444 WmmLSS_lostOfSpokeSDP

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_lostOfSpokeSDP (5153) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 7.1.0 • 8.0.0
Description: Spoke-SDP is operationally down.		
Remedial action: Check ingress and egress label mapping. Manually clear the alarm.		

Table 19-445 WmmLSS_maxDurationExpiredOnHRPDhandover

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_maxDurationExpiredOnHRPDhandover (4297) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The raised alarm, LSS_maxDurationExpiredOnHRPDhandover, indicates the value of VS.cpiMaxDurationHRPDhandover measurement, monitored when timed out on HRPD handover request exceeded a threshold in the last 15 minute interval. This value is the maximum time taken to perform a Handover to HRPD.		
Remedial action: Check the network routers for possible network delay. When the MME is programmed to include internal delay measurements, check these PMC values.		

Table 19-446 WmmLSS_memoryOverload

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_memoryOverload (4298) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: This alarm indicates the memory utilization on a diskless service has exceeded a threshold or a memory allocation failure has occurred. The current default thresholds are: Minor - 80, Major - 85, Critical - 90.		
Remedial action: If memory usage regularly exceeds thresholds, investigate how the call traffic load can be reduced. If it does not clear after step 1, contact Alcatel-Lucent Customer Support to check if there is a memory leak occurring.		

Table 19-447 WmmLSS_mmeDnsError

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_mmeDnsError (4299) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: MME DNS Selection unable to retrieve MME IP Address associated with FQDN. This alarm must be manually cleared.		
Remedial action: Verify that the FQDN is provisioned correctly in DNS server. Manually clear the alarm.		

Table 19-448 WmmLSS_mmeExternalLinkDown

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_mmeExternalLinkDown (4300) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> 6.0.0
Description: Communication between MME and another network entity can not be established.		
Remedial action: Verify the network entity that the MME fails to communicate with is in service. Determine that no errors exist within the IP network. If the network entity data is provisioned on MME, verify that the data is correct. If multiple links that terminate on the MIF (X1_1 or X2) are down, try switching the MIF to its hot-standby mate. If multiple links that terminate on the MPH (non-X1_1 and non-X2) are down, try switching the MPH to its hot-standby mate.		

Table 19-449 WmmLSS_mmeInternalCommunicationFailure

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_mmeInternalCommunicationFailure (4301) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> 6.0.0
Description: Communication between active MIF member and active MAF member failed or communications between active MIF member and active MPH member failed.		
Remedial action: Verify MPH, MIF and/or MAF have not been forced out-of-service. If communication is lost between the MPH and the MIF and it does not come back automatically, and MPH pool is in Active / Hot-standby state, try switching MPH to the standby member. If communication is lost between the MAF and the MIF and it does not come back automatically, and MAF pool is in Active / Hot-standby state, try switching MAF to the standby member. If communication is lost between the MIF and MPH and the MIF and MAFs and it does not come back automatically, and MIF pool is in Active / Hot-standby state, try switching MIF to the standby member.		

Table 19-450 WmmLSS_mmeLiNearingCapacityLimit

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_mmeLiNearingCapacityLimit (4302) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> 6.0.0
Description: The number of lawful interceptions has reached 80% of MAF capacity.		
Remedial action: Use the query option of the li_target_cli command to verify that the appropriate set of UEs are selected for lawful interception.		

Table 19-451 WmmLSS_mmeNoResetAckReceived

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_mmeNoResetAckReceived (4303) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> 6.0.0
Description: No RESET ACKNOWLEDGEMENT message was received from the RNC after the MME/SGSN has sent and resent a RESET message.		
Remedial action: Verify the RNC that MME/SGSN fails to get the message from with is in service. Determine that no errors exist within the IP network.		

Table 19-452 WmmLSS_mmeTaiFqdnError

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_mmeTaiFqdnError (4304) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> 6.0.0
Description: SGW DNS Selection unable to retrieve SGW IP Address associated with TAI FQDN.		
Remedial action: Verify that the MCC, MNC, and TAC are provisioned correctly.		

Table 19-453 WmmLSS_msThreshold

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_msThreshold (4411) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> 7.0.0 7.1.0 8.0.0
Description: Number of attached MS or UE threshold reached		
Remedial action: If the problem persists, contact Alcatel-Lucent Customer Support.		

Table 19-454 WmmLSS_nodeGroupOOS

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_nodeGroupOOS (4808) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> 7.0.0
Description: This Major alarm occurs when a Node Group state enters Redundancy. This Critical alarm occurs when a Node Group state enters Fault.		
Remedial action: The alarm is cleared when the node group state changed to Normal, i.e. all the nodes in this node group enter In Service(unblocked) state. Determine that there are no errors within the IP network. If errors exist, follow the operating procedures to correct these errors. Determine that the Ethernet Switch Card (ESC) is in service. If not, follow the local operating procedures to restore the ESC to service. Determine that the DNS is provisioned with correct IP addresses for the Destination URI. If not, correctly provision the DNS with the correct IP addresses for the Destination URI.		

Table 19-455 WmmLSS_nodeOOS

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_nodeOOS (4809) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> 7.0.0
Description: This alarm indicates the state of a Node has changed from in-service to out-of-service.		
Remedial action: Determine if the destination URI is in service and is able to respond to the SIP heartbeat. If not, follow the operating procedures to restore the destination URI to service. Determine that there are no errors within the IP network. If errors exist, follow the operating procedures to correct these errors. Determine that the Ethernet Switch Card (ESC) is in service. If not, follow the local operating procedures to restore the ESC to service. Determine that the DNS is provisioned with correct IP addresses for the Destination URI. If not, correctly provision the DNS with the correct IP addresses for the Destination URI.		

Table 19-456 WmmLSS_noResetAckReceived

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_noResetAckReceived (4305) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> 7.0.0 7.1.0 8.0.0
Description: No RESET ACKNOWLEDGEMENT message was received from the RNC after the WMM has sent and resent a RESET message.		
Remedial action: Verify the RNC that WMM fails to get the message from with is in service. Determine that there are no errors within the IP network.		

Table 19-457 WmmLSS_nseBandwidthThreshold

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_nseBandwidthThreshold (4412) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 7.0.0 • 7.1.0 • 8.0.0
Description: NSE bandwidth threshold reached		
Remedial action: Analyze the operation context of the alarm. Determine if this alarm is structural or conjectural. Analyze the figures reported by the observation counters to evaluate how quick the NSE bandwidth has increased. Depending on the result of the investigations: If the NSE bandwidth remains over this threshold most of the time, and if alarm with major severity also appears, upgrade of the SGSN configuration must be performed. Please contact Alcatel-Lucent Customer Support.		

Table 19-458 WmmLSS_numberOfTuplesInUse

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_numberOfTuplesInUse (4309) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The raised alarm LSS_numberOfTuplesInUse indicates that the number of tuples currently in use in a DA (data access) table used to store dynamic database information, has reached a threshold. The DA table in question is specified in the 'Resource'. The threshold is indicated in the 'Additional Information'.		
Remedial action: Contact Alcatel-Lucent Customer Support.		

Table 19-459 WmmLSS_numTOS10gtpcRateExceeded

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_numTOS10gtpcRateExceeded (4306) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The raised alarm, LSS_numTOS10gtpcRateExceeded, indicates the value of VS.cpiGTPcResponseTO_S10 measurement, monitored when missing replies to S10(gtpc) request exceeded a threshold in the last 15 minute interval. This value computes the cpiage of Response messages that are not received over S10, and compares the calculation against provisioned thresholds for Minor, Major, and Critical alarm conditions.		
Remedial action: Check the network routers for any problems. Check to determine if any other MME elements are having problems.		

Table 19-460 WmmLSS_numTOS11gtpcRateExceeded

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_numTOS11gtpcRateExceeded (4307) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The raised alarm, LSS_numTOS11gtpcRateExceeded, indicates the value of VS.cpiGTPcResponseTO_S11 measurement, monitored when missing replies to S11(gtpc) request exceeded a threshold in the last 15 minute interval. This value computes the cpiage of Response messages that are not received over S11, and compares the calculation against provisioned thresholds for Minor, Major, and Critical alarm conditions.		
Remedial action: Verify that S11 links are normal, using the link_cli command. If links are normal, and the alarm persists, contact Alcatel-Lucent Customer Support.		

Table 19-461 WmmLSS_numTOS3gtpcRateExceeded

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_numTOS3gtpcRateExceeded (4308) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The raised alarm, LSS_numTOS3gtpcRateExceeded, indicates the value of VS.numTOS3gtpcRateExceeded measurement, monitored when missing replies to S3(gtpc) request exceeded a threshold in the last 5 minute interval. This value computes the percentage of Response messages that are not received over S3, and compares the calculation against provisioned thresholds for Minor, Major, and Critical alarm conditions.		
Remedial action: Verify that S3 links are normal, using the link_cli command. If links are normal, and the alarm persists, contact Alcatel-Lucent Customer Support.		

Table 19-462 WmmLSS_osSecInfoModificationDetected

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_osSecInfoModificationDetected (4310) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: This alarm indicates that an unexpected modification on the security information of a host operating system has been detected by the security audit program.		
Remedial action: Access MI GUI for the detailed information of this security alarm. Investigate the problematic file identified in the additionalText string. Correct any errors found during the investigation the problem. Contact Alcatel-Lucent Customer Support as needed. Once the error has been corrected, clear the alarm from the MI GUI.		

Table 19-463 WmmLSS_osSecInformationMissing

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_osSecInformationMissing (4311) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: This alarm indicates that the security information Golden copy of a host operating system has been deleted. The Golden copy is the initial snapshot of the host operating system, which is used by the security audit program to identify possible security violations of the host operating system.		
Remedial action: Access MI GUI for the detailed information of this security alarm. Investigate the problematic file identified in the additionalText string. Correct the problem by performing a Security Audit on this host from MI GUI to re-create the Golden copy. Contact Alcatel-Lucent Customer Support as needed. Once the error has been corrected, clear the alarm from MI GUI.		

Table 19-464 WmmLSS_osSecUnexpectedInformation

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_osSecUnexpectedInformation (4312) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: This alarm indicates that security audit program has detected an unexpected program currently running on a host.		
Remedial action: First access MI GUI for the detailed information about this security alarm. Investigation is needed to find out how the offending service/program got installed. The alarm can be manually cleared after removing the service/program and verifying the system integrity.		

Table 19-465 WmmLSS_patch

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_patch (4313) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: When performing SIM patch procedure, failures that occur will result in the generation of PATCH alarm.		
Remedial action: Based on the type of failure encountered, recovery actions may vary. If the PATCH alarm is generated, contact Alcatel-Lucent Customer Support. Once the failure is corrected, a resumption of the SIM procedures will automatically clear the alarm.		

Table 19-466 WmmLSS_pathAvailability

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_pathAvailability (4314) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: This alarm is raised when SCTP path becomes unavailable. The local and remote provisioned addresses need to be checked for use of the correct 2 sub-networks provided. If the provisioned addresses match the 2 physical subnets, and if all address provisioned are also correct, then the physical network that carries the subnet used in the path 'unavailable' alarm needs to be investigated for trouble. The specifics of the path are documented in the 'additionalText' field of the alarm. These alarms may need to be cleared manually: as alarms are reported when path connectivity is established, however their contents are a function of provisioned addresses (paths) that may be wrong and changed when the connection is down, and may no longer match with the path that was originally alarmed.		
Remedial action: Verify that the endpoints IP addresses on the MME are the remote entity are provisioned correctly. Verify that the network between the MME and the remote entity is functioning correctly.		

Table 19-467 WmmLSS_pdpThreshold

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_pdpThreshold (4413) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 7.0.0 • 7.1.0 • 8.0.0
Description: Number of activated PDP context threshold reached.		
Remedial action: Analyze the operation context of the alarm. Determine if this alarm is structural or conjectural. Analyze the observation counters values to evaluate how quick the number of activated PDP contexts has increased. Depending on the result of the investigations: If the activated PDP contexts overload corresponds to a specific peak, you don't need to perform any upgrade of the SGSN. If alarm LSS_pdpThreshold is present as major, the activated PDP contexts overload is constant. There is a gap between the demand of PS services and the SGSN processing capacity. You need to upgrade the SGSN configuration. Please contact Alcatel-Lucent Customer Support.		

Table 19-468 WmmLSS_pgwDnsError

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_pgwDnsError (4315) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: MME DNS Selection unable to retrieve PGW IP Address associated with FQDN. This alarm must be manually cleared.		
Remedial action: Verify that the FQDN is provisioned correctly in DNS server. Manually clear the alarm.		

Table 19-469 WmmLSS_pktCorruptionDetectedViaRCCLANCheck

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_pktCorruptionDetectedViaRCCLANCheck (4316) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The LANCHECK audit has identified corrupted packets being transmitted through the network.		
Remedial action: The reason for the data corruption needs to be understood and corrected. It is possible that the Service Host Ethernet Port failed, the cabling that interconnects the Ethernet Port to the network is damaged, the Routers and/or Ethernet Switches that make up the Alcatel-Lucent SoftSwitch Network failed. Investigate each of these reasons and discount or correct. Once corrected, the alarm will be cleared.		

Table 19-470 WmmLSS_platformCommandFailure

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_platformCommandFailure (4317) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: This alarm indicates that a linux command started via crond has failed to execute on a host.		
Remedial action: Access MI GUI for the detailed information of this security alarm. Investigate the specific offending file identified in additionalText string and correct the problem. Contact Alcatel-Lucent Customer Support as needed. Once the file has been corrected, clear the alarm from the MI GUI.		

Table 19-471 WmmLSS_pmDataNotCollected

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_pmDataNotCollected (4318) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The raised alarm LSS_pmDataNotCollected indicates that the PM process on CNFG card could not receive PM data from a service in a interval(5 minutes).		
Remedial action: Check if the card is in the network congestion status. if it could not be pinged through, please restart the card. Check if the card is in the init status. if yes, please wait for a while. If the above steps do not correct the problem, contact Alcatel-Lucent Customer Support.		

Table 19-472 WmmLSS_processDown

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_processDown (4319) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: This alarm indicates that an application process that should be running has terminated.		
Remedial action: Recovery software should automatically recover from the abnormal or maintenance event that has caused the process termination, without any manual involvement. The automatic recovery will restart just that process or will reboot the card as necessary. If the alarm does not clear or if it occurs repeatedly, contact Alcatel-Lucent Customer Support.		

Table 19-473 WmmLSS_processNotStarted

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_processNotStarted (4320) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: This alarm is LSS_processNotStarted as raised by the MME system		
Remedial action: IPM: Based on the type of failure encountered, recovery actions may vary. If the ipmStartupFailure is generated, contact Alcatel-Lucent Customer Support. Once the failure is corrected, the startup of the ipm process will automatically clear the alarm. DHCPD: Based on the type of failure encountered, recovery actions vary. If the dhcpdStartupFailure is generated, contact Alcatel-Lucent Customer Support. Once the failure is correct, the startup of the dhcpd process will automatically clear the alarm. DNSPROXY: Based on the type of failure encountered, recovery actions may vary. If the dnsproxyStartupFailure is generated, contact Alcatel-Lucent Customer Support. Once the failure is corrected, the startup of the dnsproxy process will automatically clear the alarm. PDNS SERVER: Based on the type of failure encountered, recovery actions may vary. If the pdnsStartupFailure is generated, contact Alcatel-Lucent Customer Support. Once the failure is corrected, the startup of the pdns process will automatically clear the alarm. UNBOUND: Based on the type of failure encountered, recovery actions may vary. If the unboundStartupFailure is generated, contact Alcatel-Lucent Customer Support. Once the failure is corrected, the startup of the unbound process will automatically clear the alarm. LIGHTTPD: Based on the type of failure encountered, recovery actions may vary. If the lighttpdStartupFailure is generated, contact Alcatel-Lucent Customer Support. Once the failure is corrected, the startup of the lighttpd process will automatically clear the alarm. SSHD: Based on the type of failure encountered, recovery actions may vary. If the sshdStartupFailure is generated, contact Alcatel-Lucent Customer Support. Once the failure is corrected, the startup of the sshd process will automatically clear the alarm. NTPD: Based on the type of failure encountered, recovery actions may vary. If the ntpdStartupFailure is generated, contact Alcatel-Lucent Customer Support. Once the failure is corrected, the startup of the ntpd process will automatically clear the alarm.		

Table 19-474 WmmLSS_provisioningError

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_provisioningError (4321) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0

(1 of 2)

19 – Alcatel-Lucent 9471 WMM alarms

Alarm	Attributes	Applicable major NE releases
Description: Missing provisioning of TAI-to-LAI mapping to MSC in 2G/3G operator for SGS based CSFB/SMS.		
Remedial action: Provision missing entries in TAI-LAI mapping table utilizing LAI in 2G/3G operator. Refer to user text in alarm.		

(2 of 2)

Table 19-475 WmmLSS_rccInhibitedMode

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_rccInhibitedMode (4810) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> 7.0.0
Description: This alarm will be raised when RCC is set to inhibited mode on a host. Inhibited mode will prevent any service on that host from being switched over to its mate, or from failing over to its mate, and is typically used only during maintenance activities such as software upgrade or patching.		
Remedial action: The alarm will clear automatically when the RCC inhibit flag is cleared on the affected host. 1. To display the RCC inhibit flag on a host, run this command on the MI: For ATCA: rcc_adm --action disp_inhibit --host <value="It"/>hostname<value="gt"/> For cPSB: rccInhibit -d <value="It"/>hostname<value="gt"/> where <value="It"/>hostname<value="gt"/> is the affected host name 2. To clear the RCC inhibit flag on a host, run this command from the MI: For ATCA: rcc_adm --action clr_inhibit --host <value="It"/>hostname<value="gt"/> For cPSB: rccInhibit -a CLEAR <value="It"/>hostname<value="gt"/> where <value="It"/>hostname<value="gt"/> is the affected host name If the alarm does not clear after clearing the RCC inhibit flag, contact Alcatel-Lucent Customer Support"		

Table 19-476 WmmLSS_remotedbLinkDown

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_remotedbLinkDown (4323) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> 6.0.0 7.0.0 7.1.0 8.0.0
Description: This alarm will be displayed when the remotedb trigger function connection does not exist.		
Remedial action: Normally the alarm will be cleared automatically when a remote service restarts and re-connects to the remotedb database; If this alarm is not cleared, please contact Alcatel-Lucent Customer Support.		

Table 19-477 WmmLSS_remoteQueryServerFailure

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_remoteQueryServerFailure (4322) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: This alarm indicates that a host has lost connection to a remote DNS/ENUM server.		
Remedial action: The user needs to check the failed DNS server as to the nature of the server failure		

Table 19-478 WmmLSS_restore

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_restore (4324) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: When performing SIM restore procedure, failures that occur will result in the generation of RESTOR E alarm.		
Remedial action: Based on the type of failure encountered, recovery actions may vary. If the RESTOR E alarm is generated, contact Alcatel-Lucent Customer Support. Once the failure is corrected, a resumption of the SIM procedures will automatically clear the alarm.		

Table 19-479 WmmLSS_serviceOnewayCommunication

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_serviceOnewayCommunication (4325) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: A service might have one way communication to the Redundancy Manager and possibly other network elements.		
Remedial action: Wait approximately 1 minute 30 seconds; if the alarm does not clear autonomously, one will need to investigate why the alarm does not clear. Check and see if there are other outstanding alarms on this service that might trump the onewayCommunication alarm. Those alarms would be of type connectionLost; or any other alarms associated to the state of the service. Other alarms would indicate that a more severe problem exists on the service; and onewayCommunication could optionally be cleared at this point; as the other service based alarms most likely supersede the onewayCommunication alarm.		

Table 19-480 WmmLSS_sgsnDnsError

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_sgsnDnsError (4326) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: SGSN DNS Selection unable to retrieve SGSN IP Address associated with FQDN. This alarm must be manually cleared.		
Remedial action: Verify that the FQDN is provisioned correctly in DNS server. Manually clear the alarm.		

Table 19-481 WmmLSS_sgwSelectionFailure

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_sgwSelectionFailure (5106) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 7.1.0 • 8.0.0
Description: SGSN fails to select a SGW either due to failure to select SGW S5 service, SGW S8 service, or SGW S4 service. This alarm shall be manually cleared.		
Remedial action: Verify that the SGW is provisioned, configured correctly. Manually clear the alarm.		

Table 19-482 WmmLSS_sheddingOverload

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_sheddingOverload (4327) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: This alarm indicates the message shedding severity under system overload. The two severity levels indicate the degree of shedding severity. The types of messages/calls that are shed is specific to the application and there tends to be additional types of messages impacted by the shedding as the severity increases. Currently the default thresholds between Major and Critical is 70.		
Remedial action: Verify that there is no running debug or testing tool that uses a lot of CPU/memory. If CPU or memory utilization regularly exceeds thresholds, investigate how the call traffic load can be reduced: Reengineer so less traffic is directed to this office or card. Consider replacing the overloaded card pair with higher-capacity cards. Verify if there are enough cards to handle the expected load and add additional cards as appropriate.		

Table 19-483 WmmLSS_shmcEthernetError

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_shmcEthernetError (4328) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The Ethernet link to the Shelf Management Card (ShMC) has failed.		
Remedial action: Verify the hub port corresponding to this server by telnet to the hub card. Correct or replace the hub as necessary. Verify that the shelf management cards are running on active/standby status by 'clia shmstatus' command on shelf management card. Correct the status as necessary.		

Table 19-484 WmmLSS_simxml

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_simxml (4329) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: When performing simxml procedure, failures that occur will result in the generation of SIMXML alarm.		
Remedial action: Based on the type of failure encountered, recovery actions may vary. If the SIMXML alarm is generated, contact Alcatel-Lucent Customer Support. Once the failure is corrected, a resumption of the SIM procedures will automatically clear the alarm.		

Table 19-485 WmmLSS_sipLinkSetMaxQuarantineList

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_sipLinkSetMaxQuarantineList (4811) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 7.0.0
Description: This alarm occurs when the maximum number of out of service SIP linkset has been reached in the quarantine list.		
Remedial action: need manual procedure to clear the alarm		

Table 19-486 WmmLSS_softwareAllocatedResourceOverload

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_softwareAllocatedResourceOverload (4330) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: This alarm indicates that the utilization of a pre-allocated resource by software has exceeded thresholds. The resource could be internal buffer, data structure array, table entries, etc.		
Remedial action: Consider reengineering so that less traffic is directed to this service. If condition persists, contact Alcatel-Lucent Customer Support.		

Table 19-487 WmmLSS_softwareComponentDown

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_softwareComponentDown (5145) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 7.1.0 • 8.0.0
Description: Software that is executing on the Service Host has terminated abnormally.		
Remedial action: Generally, no manual action is necessary. Integrity software on the Service Host takes care of automatic recovery from the abnormal termination. When automatic recovery occurs the alarm will be cleared automatically as well. The affected software gets in a permanent unavailable state after frequent abnormal terminations. In this state, the alarm will not be cleared automatically and manual action will be necessary to restore the software. Bringing Service Host software back to an in-service state can be initiated from the MI. Use the MI GUI virtual host screen, initialization control option. If the problem reoccurs, contact Alcatel-Lucent Customer Support.		

Table 19-488 WmmLSS_softwareComponentStandbyNotReady

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_softwareComponentStandbyNotReady (4331) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The state of the software component, Virtual Machine (VM) that is executing on the Service Host is standby-cold or standby-cool		
Remedial action: Generally, no manual action is necessary. Integrity software on the Service Host takes care of automatic recovery from the standby-cold/standby-cool state. When automatic recovery occurs the alarm clears automatically as well. The timing for each VM to come up is different. Since this alarm will fire during the NOR MAL init time, it should not treat as a problem until 10 minutes later. If the alarm does not clear after one interval, contact Alcatel-Lucent Customer Support.		

Table 19-489 WmmLSS_svcdegrow

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_svcdegrow (4332) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: When performing SIM service degrow (svcdegrow) procedure, failures that occur will result in the generation of SVCDEGROW alarm.		
Remedial action: Based on the type of failure encountered, recovery actions may vary. If the SVCDEGROW alarm is generated, contact Alcatel-Lucent Customer Support. Once the failure is corrected, a resumption of the SIM procedures will automatically clear the alarm.		

Table 19-490 WmmLSS_svcgrow

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_svcgrow (4333) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: When performing SIM service grow (svcgrow) procedure, failures that occur will result in the generation of SVCGROW alarm.		
Remedial action: Based on the type of failure encountered, recovery actions may vary. If the SVCGROW alarm is generated, contact Alcatel-Lucent Customer Support. Once the failure is corrected, a resumption of the SIM procedures will automatically clear the alarm.		

Table 19-491 WmmLSS_swVersionMismatch

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_swVersionMismatch (4334) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The software version running on this service member does not match the version that should be running according to the database table IPCFG_POOL_MEMBERS, field build_sec.		
Remedial action: On the MI, run the remVersCheck command. It should show that for this service member, build_sec disagrees between the database and the running binary. Check whether either of them agrees with the service zip file. If the database and zip agree, initialize the service member. Otherwise, contact Alcatel-Lucent Customer Support.		

Table 19-492 WmmLSS_taiFqdnError

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_taiFqdnError (4335) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: MME DNS Selection unable to retrieve SGW IP Address associated with FQDN. this alarm must be manually cleared.		
Remedial action: Verify that the FQDN is provisioned correctly in DNS server. Manually clear the alarm.		

Table 19-493 WmmLSS_tftpDownloadCorrupt

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_tftpDownloadCorrupt (4336) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: This alarm can be fired due to two different problems. Alarm information is given specific sub-section below.		
Remedial action: If the Additional Info field looks like TftpOpen() Failure Ret(hexadecimal error number), IOR et(hexadecimal error number), File(service application zip file name and path), IP(hexadecimal version of the CNFG host IP) continue on to step 2. Otherwise, goto step 3. Check the file name and path on the indicated CNFG host and ensure that is readable by all. If not performing SU or Path, recover file from mate CNFG host. reboot the host issuing the alarm If the alarm persists. Contact the Alcatel-Lucent Customer Support		

Table 19-494 WmmLSS_threadsExhausted

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_threadsExhausted (5111) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 7.1.0 • 8.0.0
Description: One or more critical CP Tasks have been un-responsive to regular Integrity Monitor - IMON Heartbeats. IMON attempted to restart them and multiple restarts have escalated to a Process Init on the Standby Card or a Switch Over to the Standby Card from the Active Card where the target stuck task was running.		
Remedial action: NOT APPLICABLE		

Table 19-495 WmmLSS_upgrade

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_upgrade (4337) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: When performing Software Upgrade (SU) related activities (which includes bkupSys and SIM upgrade procedure), failures that occur will result in generation of SU alarm.		
Remedial action: Based on the type of failure encountered, recovery actions may vary. If the SU alarm is generated, contact Alcatel-Lucent Customer Support. Once the failure is corrected, a resume of the SIM procedures will automatically clear the alarm. For bkupSys, once the failure is corrected re-executing bkupSys will automatically clear the alarm.		

Table 19-496 WmmLSS_virtualClusterDown

Alarm	Attributes	Applicable major NE releases
Name: WmmLSS_virtualClusterDown (4338) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: A Virtual Cluster spanning a pair of Service Hosts abnormally transitioned to an out-of-service state. (Note, a Virtual Cluster is a logical grouping of a pair of Software Components. Each Software Component executes on a separate Service Host and typically runs Active and Standby.)		
Remedial action: If this alarm persists, contact Alcatel-Lucent Customer Support.		

Table 19-497 WMMPMFileNotificationMissing

Alarm	Attributes	Applicable major NE releases
Name: WMMPMFileNotificationMissing (5387) Type: communicationsAlarm (4) Package: Itemme Raised on class: Itemme.MmeInstance	Severity: critical Implicitly cleared: false Default probable cause: PMFileNotificationMissing (2105)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: This alarm is raised when a PM File notification is expected from the node, but has not been received after a certain period of time.		
Remedial action: SAM has not received a PM File notification from the node, and may have missed retrieving PM Files. Ensure that the node has PMEnabled and PMFileEvent values set to true. Ensure a PM job is active with an intended schedule. If the problem persists please contact Alcatel-Lucent support for assistance. This alarm notification can be turned off under the General tab in the MME Instance.		

Table 19-498 WmmRALARM_Loop

Alarm	Attributes	Applicable major NE releases
Name: WmmRALARM_Loop (4339) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: This alarm is RALARM_Loop as raised by the MME system		
Remedial action: loop 1 - Verify/replace circuit breakers/fuses. loop 2 - Depends on what device (e.g. temperature sensor) is connected to the external input. loops unavailable - contact Alcatel-Lucent Customer Support. If the problem persists, contact Alcatel-Lucent Customer Support.		

Table 19-499 WmmRALARM_Power

Alarm	Attributes	Applicable major NE releases
Name: WmmRALARM_Power (4340) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: This alarm indicates a problem with the -48V, A feed or B feed, power to the Power Distribution Unit.		
Remedial action: Check the Power Distribution Units LEDs, circuit breakers, fuses, and power feeds. Replace the faulty alarm card, circuit breakers, fuses, or power feeds. If the problem persists, contact Alcatel-Lucent Customer Support.		

Table 19-500 WmmSYS_BackupFailure

Alarm	Attributes	Applicable major NE releases
Name: WmmSYS_BackupFailure (4341) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The backup of an SNE has failed. On the next successful backup, this alarm will clear.		
Remedial action: If the additionalText of the alarm states 'Fail to get AccessKey for ESCHost/LNG application...', you need to set up userid/password on corresponding esc/Ing in 'Configuration Management' --> 'Backup Management' --> 'Login Administration' panel on MI GUI first. Attempt another backup. If the problem persists, contact Alcatel-Lucent Customer Support.		

Table 19-501 WmmSYS_Configuration

Alarm	Attributes	Applicable major NE releases
Name: WmmSYS_Configuration (4344) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: A possible configuration problem has been detected on the MI.		
Remedial action: If the specificProblem is MissingScheduledBackups: Run <code>mi_audit -a sched_backups</code> on the active MI to get a list of the devices that do not have a scheduled backup. For those devices, schedule a backup job using the MI GUI, Configuration Management->Backup Management->Scheduling Run <code>mi_audit -a sched_backups</code> on the active MI to clear the alarm once all required backups are scheduled. If the specificProblem is PMDisabled: Run <code>PMcontrol --master start</code> on the active MI to enable PM collection. This will enable PM collection on the MI and automatically clear this alarm. If the specificProblem is NTPServerNotConfigured: Configure at least one NTP server. For ATCA, to add and configure an NTP server, refer to the section 'To add or delete remote NTP servers IP addresses' in the Alcatel-Lucent 5400 Linux Control Platform Configuration Management, 270-702-014 and 'To setup secure NTP configuration' in the Alcatel-Lucent 5400 Linux Control Platform Security Management, 270-702-015. For CPSB, to add and configure an NTP server, refer to the section 'To add or delete NTP server IP address' and 'Setup secure NTP configuration' in the Alcatel-Lucent Control Platform 1800 Operations, Administration, Maintenance and Provisioning, 270-900-872. Run <code>mi_audit -a ntp</code> on the active MI to clear the alarm. If the specificProblem is NTPServerNotReachable: Run <code>ntpconf_admin --action show_server</code> to see the configured NTP server IP address(es). Resolve the connectivity problem to the intended NTP server. The NTP server should be pingable from the MI. Run <code>mi_audit -a ntp</code> on the active MI to clear the alarm. If the specificProblem is MaintModeEnabled: This alarm will be raised when the MI is placed into maintenance mode for any maintenance activity using the <code>mi_maint on</code> cmd. It will be cleared when taken out of maintenance mode, using the <code>mi_maint off</code> cmd. If for some reason the alarm is not cleared and the maintenance flag is off (verify with <code>mi_maint status</code> cmd), run <code>mi_audit -a maint_mode</code> on the active MI to clear the alarm.		

Table 19-502 WmmSYS_CPM_USERDATA_INCONSITENCY

Alarm	Attributes	Applicable major NE releases
Name: WmmSYS_CPM_USERDATA_INCONSITENCY (4342) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: A possible CPM user data inconsistency problem has been detected on the MI.		
Remedial action: Login to active MI as root execute ' <code>midvstat -a</code> '. Make sure CPM is enabled and Connection Health Check is Yes. If not, please refer to CDOC 270-702-015 section 'CPM and RBAC' to enable CPM. If CPM status is OK and there is such alarm. Please contact Alcatel-Lucent Customer Support for further support. Once the issue is resolved, this alarm should be cleared manually from the MI GUI.		

Table 19-503 WmmSYS_CPM_USERDATA_RESTORED

Alarm	Attributes	Applicable major NE releases
Name: WmmSYS_CPM_USERDATA_RESTORED (4343) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0

(1 of 2)

19 – Alcatel-Lucent 9471 WMM alarms

Alarm	Attributes	Applicable major NE releases
Description: CPM audit restore user's data after it finds issue.		
Remedial action: Login to active MI as root execute 'mividstat -a' Make sure CPM is enabled and Connection Health Check is Yes. If not, please refer to CDOC 270-702-015 section 'CPM and RBAC' to enable CPM. If CPM status is OK and there is such alarm. Please contact Alcatel-Lucent Customer Support for further support. Once the issue is resolved, this alarm should be cleared manually from the MI GUI.		

(2 of 2)

Table 19-504 WmmSYS_EventQueueCapacity

Alarm	Attributes	Applicable major NE releases
Name: WmmSYS_EventQueueCapacity (4345) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The MI event queue is nearing or has exceeded it's capacity.		
Remedial action: If the problem persists, contact Alcatel-Lucent Customer Support.		

Table 19-505 WmmSYS_ICMPFailure

Alarm	Attributes	Applicable major NE releases
Name: WmmSYS_ICMPFailure (4346) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The MI was unable to communicate to a host via its IP interface.		
Remedial action: Verify that the ethernet cable is connected and in working order. Verify that the routers/switches are configured correctly. If the problem persists over several polling cycles, contact Alcatel-Lucent Customer Support.		

Table 19-506 WmmSYS_IPsecConfig

Alarm	Attributes	Applicable major NE releases
Name: WmmSYS_IPsecConfig (4347) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: Missing or obsolete SNMP Trap subnets found in the IPsec configuration file on the MI-Agent.		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: A change to the IPsec configuration is needed. Please refer to the procedure described in the section titled 'To configure IPsec SNMP trap entries' in the 'Alcatel-Lucent 5400 Linux Control Platform, Security Management' guide for the ATCA platform, or in the 'Alcatel-Lucent Control Platform 1800 OAMP' guide for the CPSB platform.		

(2 of 2)

Table 19-507 WmmSYS_LinkDown

Alarm	Attributes	Applicable major NE releases
Name: WmmSYS_LinkDown (4348) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: A linkDown alarm signifies that the operational status for one of the communication links is about to enter the down state. The name/index of the interface is identified in the specificProblem of the alarm.		
Remedial action: Verify the cabling. Verify the far-end of the link.		

Table 19-508 WmmSYS_NotifyDisabled

Alarm	Attributes	Applicable major NE releases
Name: WmmSYS_NotifyDisabled (4349) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: This alarm occurs when a user login is temporarily disabled, yet the user during this period attempts to login with the correct userid and password. User Intervention by a Security Administrator is not required when an user is temporarily disabled as long as no more logins are attempted within fifteen minutes interval. If a user becomes locked then an additional alarm (SYS_NotifyLocked) will be generated thus Security Administrator intervention will be required.		
Remedial action: Contact the user of this userid to determine if they are aware of these attempts to log on to the system using this userid. Determine whether any security violations occurred and report accordingly. Manually clear this alarm from the MI Alarm Browser.		

Table 19-509 WmmSYS_NotifyLocked

Alarm	Attributes	Applicable major NE releases
Name: WmmSYS_NotifyLocked (4350) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0

(1 of 2)

19 – Alcatel-Lucent 9471 WMM alarms

Alarm	Attributes	Applicable major NE releases
Description: This alarm occurs when a user is locked out from being able to Log in due to repeated consecutive login failures. User Intervention by a Security Administrator is required to unlock the account.		
Remedial action: Contact the user of this userid to determine if they are aware of these attempts to log on to the system using this userid. Determine whether any security violations occurred and report accordingly Log onto NavisID GUI and unlock this user's account if appropriate. Manually clear this alarm from the MI Alarm Browser.		

(2 of 2)

Table 19-510 WmmSYS_RADIUS_TO_LDAP_FAILURE

Alarm	Attributes	Applicable major NE releases
Name: WmmSYS_RADIUS_TO_LDAP_FAILURE (4351) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: This alarm occurs when RADIUS fails to connect to LDAP during user authentication attempt		
Remedial action: This Alarm clears automatically when the fault condition is no longer present. Log in to active MI (ATCA) as root execute 'mividstat -a' Make sure that Radius/LDAP Connection Health Check is Yes Check the /var/log/auth.log for detailed information. You may also use the Security and Audit Trail Log Viewer on the MI-agent GUI to view this log.		

Table 19-511 WmmSYS_ROOT_ACCESS_DENIED

Alarm	Attributes	Applicable major NE releases
Name: WmmSYS_ROOT_ACCESS_DENIED (4352) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: This alarm occurs when a user makes three attempts within a 30 minute period to log onto the LCP hosts as root user id from a restricted domain. This alarm must be manually cleared		
Remedial action: This Alarm should be cleared manually. Need to find out where the user is trying to log in from to further verify whether this is a legitimate user. Check the /var/log/auth.log for detailed information. You may also use the Security and Audit Trail Log Viewer on the MI-agent GUI to view this log.		

Table 19-512 WmmSYS_ROOT_FTP_VIOLATION

Alarm	Attributes	Applicable major NE releases
Name: WmmSYS_ROOT_FTP_VIOLATION (4353) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Description: This alarm occurs when an user try to login the system three times as root with wrong password in less 30 seconds. This alarm must be manually cleared.		
Remedial action: Need to find out where is the user attempted to log in. Check the /var/log/auth.log for detailed information.		

(2 of 2)

Table 19-513 WmmSYS_ROOT_LOGIN_VIOLATION

Alarm	Attributes	Applicable major NE releases
Name: WmmSYS_ROOT_LOGIN_VIOLATION (4354) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: This alarm occurs when an user try to login the system three times as root with wrong password in less 30 seconds. This alarm must be manually cleared.		
Remedial action: Need to find out where is the user attempted to log in. Check the /var/log/auth.log for detailed information.		

Table 19-514 WmmSYS_ROOT_SSH_LOGIN_VIOLATION

Alarm	Attributes	Applicable major NE releases
Name: WmmSYS_ROOT_SSH_LOGIN_VIOLATION (4355) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: This alarm occurs when a user unsuccessfully attempts to ssh as root user onto the LCP host three times within 30 minutes. NOTE: If Disable Root SSH External Access feature is enabled, any external ssh as root attempt to the LCP host will be rejected and treated as a login failure. This alarm must be manually cleared.		
Remedial action: Need to check the /var/log/auth.log to identify the IP of the originating ssh request and attempt to identify the user attempting access the LCP host as root userid. Check the /var/log/auth.log for detailed information. The alarm must be manually cleared on the MI GUI.		

Table 19-515 WmmSYS_SetupAAAFailure

Alarm	Attributes	Applicable major NE releases
Name: WmmSYS_SetupAAAFailure (4361) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: A possible CPM configuration problem has been detected on the MI.		

(1 of 2)

19 – Alcatel-Lucent 9471 WMM alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: Login to active MI as root execute 'mividstat -a' Make sure CPM is enabled and Connection Health Check is Yes. If not, please refer to CDOC 270-702-015 section 'CPM and RBAC' to enable CPM. Check all the diskful and diskless blades are in service. Please contact Alcatel-Lucent Customer Support for further support. Once the issue is resolved, this alarm should be cleared manually from the MI GUI.		

(2 of 2)

Table 19-516 WmmSYS_SNETrapOverload

Alarm	Attributes	Applicable major NE releases
Name: WmmSYS_SNETrapOverload (4356) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The SNMP trap rate threshold for a particular SNE to the MI-Agent has been exceeded.		
Remedial action: Verify the sanity of the SNE to determine what is causing it to send excessive SNMP traps to the MI-Agent. As the cause for excessive traps can vary by instance, use standard fault detection techniques such as viewing alarms and/or network events at the MI-Agent, visual inspection of the SNE for external alarms and/or loose cables, and running diagnostic test to assist in determining the cause.		

Table 19-517 WmmSYS_SNMPAuthenticationFailure

Alarm	Attributes	Applicable major NE releases
Name: WmmSYS_SNMPAuthenticationFailure (4357) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: Signifies that an SNE managed by the MI is the addressee of an improperly authenticated network protocol message. SNMP community name and client authentication failures cause the Element Manager to generate this trap.		
Remedial action: Verify that the individual trying to access the system is a legitimate user, and that the SNMP community strings are set correctly. This alarm may be disabled by turning off the SNMP authentication traps on the SNE (providing the SNE supports this capability).		

Table 19-518 WmmSYS_SNMPFailure

Alarm	Attributes	Applicable major NE releases
Name: WmmSYS_SNMPFailure (4358) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Description: The MI was unable to communicate to a host via its SNMP interface.		
Remedial action: Verify that the ethernet cable is connected and in working order. Verify that the SNE may be ICMP-pinged over the same interface to determine whether it is an SNMP problem or a more general IP problem. If the problem is an IP problem, verify that the routers/switches are configured correctly. If the problem is only an SNMP problem and persists over several polling cycles, contact Alcatel-Lucent Customer Support.		

(2 of 2)

Table 19-519 WmmSYS_SU_TO_ROOT_FAILURE

Alarm	Attributes	Applicable major NE releases
Name: WmmSYS_SU_TO_ROOT_FAILURE (4359) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: This alarm occurs when a user makes three failed attempts within a 30 minute period to su to become root userid. This alarm will occur if you entered the wrong password for root three times during the 30 minute interval when attempting to su to root userid.		
Remedial action: This Alarm should be cleared manually. Need to find out where the user is trying to log in from to further verify whether this is a legitimate user. Need to check the user's CLI shell history to investigate for possible suspicious activity. Check the /var/log/auth.log for detailed access information. Check the /var/log/bash.log to investigate the user's cli activity. You may also use the Security and Audit Trail Log Viewer on the MI-agent GUI to view these logs.		

Table 19-520 WmmSYS_SYSTEMTrapOverload

Alarm	Attributes	Applicable major NE releases
Name: WmmSYS_SYSTEMTrapOverload (4360) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The SNMP trap rate threshold for a collection of SNEs to the MI-Agent has been exceeded.		
Remedial action: Verify the sanity of all SNEs in the system to determine which ones are sending excessive SNMP traps to the MI-Agent. As the cause for excessive traps can vary by instance, use standard fault detection techniques such as viewing alarms and/or network events at the MI-Agent, visual inspection of the SNE for external alarms and/or loose cables, and running diagnostic test to assist in determining the cause.		

Table 19-521 WmmSYS_TestAlarm

Alarm	Attributes	Applicable major NE releases
Name: WmmSYS_TestAlarm (4362) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: This alarm is for testing only. There is no problem being reported. It is used to test the alarm handling functionality on the MI, from creation of an alarm on the MI to forwarding out through the MI's northbound interface. This alarm should be manually cleared when testing is completed.		
Remedial action: There is no recovery needed, as this is just a test alarm. The alarm can be cleared manually on the MI GUI, or by running <code>mi_testalarm -s Clear</code> on the active MI.		

Table 19-522 WmmSYS_ThresholdCrossed

Alarm	Attributes	Applicable major NE releases
Name: WmmSYS_ThresholdCrossed (4363) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The measurement data is not meeting the specified performance thresholds and the measurement data has reported errors that may indicate loss or degradation of functionality or capacity.		
Remedial action: Pay attention to the measurement data for which the alarm is reported. Study the state of the system to decide on a course of action.		

Table 19-523 WmmSYS_UndiscoveredObject

Alarm	Attributes	Applicable major NE releases
Name: WmmSYS_UndiscoveredObject (4364) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: One or more undiscovered objects have been detected on the MI.		
Remedial action: On the MI GUI, run Tools->Global Discovery. If this does not clear the alarm, run the following command on the active MI host: If specificProblem is MissingSNE: <code>mi_audit -a disc_sne</code> If specificProblem is MissingHardware: <code>mi_audit -a disc_hw</code> If specificProblem is MissingServices: <code>mi_audit -a disc_services</code> If specificProblem is MissingHosts: <code>mi_audit -a disc_hosts</code> Contact Alcatel-Lucent Customer Support with the alarm details and the output of the <code>mi_audit</code> cmd.		

Table 19-524 WmmSYS_WriteAAAFailure

Alarm	Attributes	Applicable major NE releases
Name: WmmSYS_WriteAAAFailure (4365) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: CPM tools failed to create scripts that are used for pump data into blades.		
Remedial action: Login to active MI (ATCA) as root execute 'mvidstat -a' Make sure CPM is enabled and Connection Health Check is Yes. If not, please refer to CDOC 270-702-015 section 'CPM and RBAC' to enable CPM. Check all the diskful and diskless blades are in service. Check existence and permission(Owner:root, permission:755) for the directory /var/opt/lib/cpm/fg on active MI. Please contact Alcatel-Lucent Customer Support for further support. Once the issue is resolved, this alarm should be cleared manually from the MI GUI.		

Table 19-525 WMMUEOccupiedSlotsExceeded

Alarm	Attributes	Applicable major NE releases
Name: WMMUEOccupiedSlotsExceeded (5050) Type: communicationsAlarm (4) Package: Itemme Raised on class: Itemme.MmeInstance	Severity: info Implicitly cleared: false Default probable cause: ThresholdExceeded (2052)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The alarm is raised when the number of WMM UE Occupied Slots exceeds the threshold that has been set by the operator.		
Raising condition: (('WMM UE Occupied Slots Threshold' NOT EQUAL '0L') AND ('WMM UE Occupied Slots' > 'WMM UE Occupied Slots Threshold'))		
Remedial action: Informational - no corrective action required.		

Table 19-526 WmmUnknownAlarm

Alarm	Attributes	Applicable major NE releases
Name: WmmUnknownAlarm (4366) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: false Default probable cause: alarmIndicationSignal (96)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The alarm is raised when an unknown alarm is received from the WMM system.		
Remedial action: Obtain the native WMM alarm name from the additional text field. Open the 9471 WMM MI GUI and locate the corresponding WMM alarm. Refer to the Fault Clearance Procedure in the help documentation for the alarm.		

Table 19-527 WmmUnknownCommunicationsAlarm

Alarm	Attributes	Applicable major NE releases
Name: WmmUnknownCommunicationsAlarm (4367) Type: communicationsAlarm (4) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: false Default probable cause: UnspecifiedReason (803)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The alarm is raised when an unknown communications alarm is received from the WMM system.		
Remedial action: Obtain the native WMM alarm name from the additional text field. Open the 9471 WMM MI GUI and locate the corresponding WMM alarm. Refer to the Fault Clearance Procedure in the help documentation for the alarm.		

Table 19-528 WmmUnknownEnvironmentalAlarm

Alarm	Attributes	Applicable major NE releases
Name: WmmUnknownEnvironmentalAlarm (4368) Type: environmentalAlarm (2) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: false Default probable cause: unspecifiedReason (802)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The alarm is raised when an unknown environmental alarm is received from the WMM system.		
Remedial action: Obtain the native WMM alarm name from the additional text field. Open the 9471 WMM MI GUI and locate the corresponding WMM alarm. Refer to the Fault Clearance Procedure in the help documentation for the alarm.		

Table 19-529 WmmUnknownEquipmentAlarm

Alarm	Attributes	Applicable major NE releases
Name: WmmUnknownEquipmentAlarm (4369) Type: equipmentAlarm (3) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: false Default probable cause: unspecifiedReason (802)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The alarm is raised when an unknown equipment alarm is received from the WMM system.		
Remedial action: Obtain the native WMM alarm name from the additional text field. Open the 9471 WMM MI GUI and locate the corresponding WMM alarm. Refer to the Fault Clearance Procedure in the help documentation for the alarm.		

Table 19-530 WmmUnknownIntegrityViolationAlarm

Alarm	Attributes	Applicable major NE releases
Name: WmmUnknownIntegrityViolationAlarm (4370) Type: integrityViolationAlarm (78) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: false Default probable cause: unspecifiedReason (802)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The alarm is raised when an unknown integrity violation alarm is received from the WMM system.		
Remedial action: Obtain the native WMM alarm name from the additional text field. Open the 9471 WMM MI GUI and locate the corresponding WMM alarm. Refer to the Fault Clearance Procedure in the help documentation for the alarm.		

Table 19-531 WmmUnknownOperationalViolationAlarm

Alarm	Attributes	Applicable major NE releases
Name: WmmUnknownOperationalViolationAlarm (4371) Type: operationalViolationAlarm (79) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: false Default probable cause: unspecifiedReason (802)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The alarm is raised when an unknown operational alarm is received from the WMM system.		
Remedial action: Obtain the native WMM alarm name from the additional text field. Open the 9471 WMM MI GUI and locate the corresponding WMM alarm. Refer to the Fault Clearance Procedure in the help documentation for the alarm.		

Table 19-532 WmmUnknownPhysicalViolationAlarm

Alarm	Attributes	Applicable major NE releases
Name: WmmUnknownPhysicalViolationAlarm (4372) Type: physicalViolationAlarm (80) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: false Default probable cause: unspecifiedReason (802)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The alarm is raised when an unknown physical violation alarm is received from the WMM system.		
Remedial action: Obtain the native WMM alarm name from the additional text field. Open the 9471 WMM MI GUI and locate the corresponding WMM alarm. Refer to the Fault Clearance Procedure in the help documentation for the alarm.		

Table 19-533 WmmUnknownProcessingErrorAlarm

Alarm	Attributes	Applicable major NE releases
Name: WmmUnknownProcessingErrorAlarm (4373) Type: processingErrorAlarm (81) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: false Default probable cause: unspecifiedReason (802)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The alarm is raised when an unknown processing error alarm is received from the WMM system.		
Remedial action: Obtain the native WMM alarm name from the additional text field. Open the 9471 WMM MI GUI and locate the corresponding WMM alarm. Refer to the Fault Clearance Procedure in the help documentation for the alarm.		

Table 19-534 WmmUnknownQualityOfServiceAlarm

Alarm	Attributes	Applicable major NE releases
Name: WmmUnknownQualityOfServiceAlarm (4374) Type: qualityOfServiceAlarm (82) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: false Default probable cause: unspecifiedReason (802)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The alarm is raised when an unknown quality of service alarm is received from the WMM system.		
Remedial action: Obtain the native WMM alarm name from the additional text field. Open the 9471 WMM MI GUI and locate the corresponding WMM alarm. Refer to the Fault Clearance Procedure in the help documentation for the alarm.		

Table 19-535 WmmUnknownSecurityServiceOrMechanismViolationAlarm

Alarm	Attributes	Applicable major NE releases
Name: WmmUnknownSecurityServiceOrMechanismViolationAlarm (4375) Type: securityServiceOrMechanismViolationAlarm (83) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: false Default probable cause: unspecifiedReason (802)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The alarm is raised when an unknown mechanical violation alarm is received from the WMM system.		
Remedial action: Obtain the native WMM alarm name from the additional text field. Open the 9471 WMM MI GUI and locate the corresponding WMM alarm. Refer to the Fault Clearance Procedure in the help documentation for the alarm.		

Table 19-536 WmmUnknownTimeDomainViolationAlarm

Alarm	Attributes	Applicable major NE releases
Name: WmmUnknownTimeDomainViolationAlarm (4376) Type: timeDomainViolationAlarm (84) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: false Default probable cause: unspecifiedReason (802)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The alarm is raised when an unknown time domain violation alarm is received from the WMM system.		
Remedial action: Obtain the native WMM alarm name from the additional text field. Open the 9471 WMM MI GUI and locate the corresponding WMM alarm. Refer to the Fault Clearance Procedure in the help documentation for the alarm.		

Table 19-537 WrongCpaaSoftwareVersion

Alarm	Attributes	Applicable major NE releases
Name: WrongCpaaSoftwareVersion (791) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: wrongCpaaSoftwareVersion (559)	<ul style="list-style-type: none"> • 6.0.0 • 7.0.0 • 7.1.0 • 8.0.0
Description: The alarm is raised when the 7701 CPAA software is the wrong version and requires an upgrade.		
Raising condition: (('Software Version' EQUAL '"TIMOS-B-3.0.Generic "') AND ('Chassis Type' EQUAL '7701 CPAA'))		
Clearing condition: (('Software Version' NOT EQUAL '"TIMOS-B-3.0.Generic "') AND ('Chassis Type' EQUAL '7701 CPAA'))		
Remedial action: The SW version of the CPAA must be upgraded to the version compatible with CPAM version.		

20 – Alcatel-Lucent 9500 MPR alarms



Note — Some alarms that the 5620 SAM can raise against this device may not be listed in this chapter. Associating alarms with specific NE types is an ongoing Alcatel-Lucent effort. If the 5620 SAM raises an alarm against this device type, and the alarm is not described in this chapter, see chapter 35 for information about the alarm.

Table 20-1 AccessInterfaceDown

Alarm	Attributes	Applicable major NE releases
Name: AccessInterfaceDown (249) Type: AccessInterfaceAlarm (32) Package: service Raised on class: service.AccessInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> • 1.1.0 • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised when an L2 or L3 interface operational state is Down. The alarm is not raised against an L2 access interface that is associated with an MC ring or MC LAG in the standby state.		
Raising condition: (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'Standby For MC-Ring') AND ('State Cause' NOT EQUAL 'Standby For MC-Lag') AND ('State Cause' NOT EQUAL 'Standby For BGP Multi-homing'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'Standby For MC-Ring') OR ('State Cause' EQUAL 'Standby For MC-Lag') OR ('State Cause' EQUAL 'Standby For BGP Multi-homing'))		

(1 of 2)

20 – Alcatel-Lucent 9500 MPR alarms

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

(2 of 2)

Table 20-2 ActiveAbnormalCondition

Alarm	Attributes	Applicable major NE releases
Name: ActiveAbnormalCondition (3938) Type: activeAbnormalConditionAlarm (116) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ActiveAbnormalConditionState (1520)	<ul style="list-style-type: none"> • 1.1.0 • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is an indication for abnormal condition on NE.		
Raising condition: ('abnormalCondition' EQUAL 'true')		
Clearing condition: ('abnormalCondition' EQUAL 'false')		
Remedial action: This alarm is raised when there is a abnormal state indication on NE.		

Table 20-3 AGWDiameterPeerDown

Alarm	Attributes	Applicable major NE releases
Name: AGWDiameterPeerDown (844) Type: EpcAlarm (59) Package: lte Raised on class: lte.AGWDiameterPeer	Severity: variable Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> • 1.1.0 • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised when the path management state of a Diameter peer changes to a state other than Up.		
Raising condition: ('Path Diameter Management State' NOT EQUAL 'Active')		
Clearing condition: ('Path Diameter Management State' EQUAL 'Active')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

(2 of 2)

Table 20-4 AreaTypeMismatch

Alarm	Attributes	Applicable major NE releases
Name: AreaTypeMismatch (38) Type: configurationAlarm (11) Package: ospf Raised on class: ospf.Area	Severity: warning Implicitly cleared: true Default probable cause: areaTypeMisconfigured (34)	<ul style="list-style-type: none"> • 1.1.0 • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised when an OSPF area on one NE is configured as an NSSA and the same OSPF area on another NE is configured as a stub area.		
Raising condition: ('Type Mismatch' EQUAL 'true')		
Clearing condition: ('Type Mismatch' EQUAL 'false')		
Remedial action: A configuration error has been made which must be corrected. The OSPF area type configured for the NE does not match with the same OSPF area configured on another NE. Compare the configuration on the endpoint and correct the mismatch.		

Table 20-5 AuxiliaryServerStatus

Alarm	Attributes	Applicable major NE releases
Name: AuxiliaryServerStatus (311) Type: communicationsAlarm (4) Package: server Raised on class: server.AuxiliaryServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> • 1.1.0 • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised when a 5620 SAM main server cannot communicate with an auxiliary server. The alarm clears when communication is restored.		

(1 of 2)

20 – Alcatel-Lucent 9500 MPR alarms

Alarm	Attributes	Applicable major NE releases
Raising condition: ('Server Status' EQUAL 'Down')		
Clearing condition: ('Server Status' EQUAL 'Up')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the AUX and SAM servers is unreliable.		

(2 of 2)

Table 20-6 BandwidthDegradeForProtectionSwitch

Alarm	Attributes	Applicable major NE releases
Name: BandwidthDegradeForProtectionSwitch (4414) Type: equipmentAlarm (3) Package: ethring Raised on class: ethring.Element	Severity: major Implicitly cleared: true Default probable cause: bandwidthDegradeERP (1580)	<ul style="list-style-type: none"> • 1.1.0 • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised on Element instance for 9500 when there are two instance per Radio Component (topology) and when one of the instance is enabled.		
Remedial action: Operator has Unconfigure the protection on ERPS instance.		

Table 20-7 BerLineSignalDegradation

Alarm	Attributes	Applicable major NE releases
Name: BerLineSignalDegradation (88) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: berLineSignalDegradation (74)	<ul style="list-style-type: none"> • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised when a SONET port reports a line signal degradation BER error. The alarm corresponds to the lb2er-sd alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'BER Line Signal Degradation') AND ('Report Alarms'anyBit'BER Line Signal Degradation'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'BER Line Signal Degradation') AND ('Report Alarms'anyBit'BER Line Signal Degradation'))))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: Informational only.		

(2 of 2)

Table 20-8 BerLineSignalFailure

Alarm	Attributes	Applicable major NE releases
Name: BerLineSignalFailure (89) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: berLineSignalFailure (75)	<ul style="list-style-type: none"> • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised when a SONET port reports a line signal degradation BER error. The alarm corresponds to the lb2er-sf alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'BER Line Signal Failure') AND ('Report Alarms'anyBit'BER Line Signal Failure'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'BER Line Signal Failure') AND ('Report Alarms'anyBit'BER Line Signal Failure'))))		
Remedial action: Informational only.		

Table 20-9 BITS2NotQualified

Alarm	Attributes	Applicable major NE releases
Name: BITS2NotQualified (1941) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: timingReferenceNotQualified (418)	<ul style="list-style-type: none"> • 1.1.0 • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised when the BITS-2 timing reference on an NE is not in the Qualified state.		
Raising condition: (('Qualified For Use' EQUAL 'Not Qualified') AND ('Input Administrative State' NOT EQUAL 'Down'))		
Clearing condition: (('Qualified For Use' NOT EQUAL 'Not Qualified') OR ('Input Administrative State' EQUAL 'Down'))		
Remedial action: Make sure that BITS2 is qualified		

Table 20-10 BITSNotQualified

Alarm	Attributes	Applicable major NE releases
Name: BITSNotQualified (547) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: timingReferenceNotQualified (418)	<ul style="list-style-type: none"> • 1.1.0 • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised when the BITS timing reference on an NE is not in the Qualified state.		
Raising condition: (('Qualified For Use' EQUAL 'Not Qualified') AND ('Output Administrative State' NOT EQUAL 'Down'))		
Clearing condition: (('Qualified For Use' NOT EQUAL 'Not Qualified') OR ('Output Administrative State' EQUAL 'Down'))		
Remedial action: Make sure that BITS is qualified		

Table 20-11 BITSReferenceLossOfSignal

Alarm	Attributes	Applicable major NE releases
Name: BITSReferenceLossOfSignal (1950) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: BITSReferenceLossOfSignal (938)	<ul style="list-style-type: none"> • 1.1.0 • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised when the BITS reference on an NE is not qualified due to Loss of Signal.		
Raising condition: (('Not Qualified Due To'anyBit'LOS'))		
Clearing condition: NOT (((('Not Qualified Due To'anyBit'LOS'))))		
Remedial action: Make sure that peer connected to BITS is properly configured.		

Table 20-12 BITSReferenceOutOfFrequency

Alarm	Attributes	Applicable major NE releases
Name: BITSReferenceOutOfFrequency (1951) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: BITSReferenceOutOfFrequency (939)	<ul style="list-style-type: none"> • 1.1.0 • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised when the BITS Reference on an NE is not qualified due to Out of frequency.		
Raising condition: (('Not Qualified Due To'anyBit'OOF'))		
Clearing condition: NOT (((('Not Qualified Due To'anyBit'OOF'))))		
Remedial action: Make sure that frequency configured for BITS is correct.		

Table 20-13 BITSReferenceOutOfPollInRange

Alarm	Attributes	Applicable major NE releases
Name: BITSReferenceOutOfPollInRange (1952) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: BITSReferenceOutOfPollInRange (940)	<ul style="list-style-type: none"> • 1.1.0 • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised when the BITS Reference on an NE is not qualified state due to Out of poll in range.		
Raising condition: (('Not Qualified Due To'anyBit'OOPIR'))		
Clearing condition: NOT (((('Not Qualified Due To'anyBit'OOPIR'))))		
Remedial action: Check the BITS is configured correctly. Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary		

Table 20-14 BootableConfigBackupFailed

Alarm	Attributes	Applicable major NE releases
Name: BootableConfigBackupFailed (103) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> • 1.1.0 • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised when the 5620 SAM fails to back up a set of NE configuration files.		
Raising condition: ('Backup State' EQUAL 'Failure')		
Clearing condition: ('Backup State' EQUAL 'Success')		
Remedial action: Investigation is required to resolve the following possible scenarios: insufficient disk space is available to accommodate the NE configuration files (additional SAM platform alarms will accompany this alarm); the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

Table 20-15 BootableConfigRestoreFailed

Alarm	Attributes	Applicable major NE releases
Name: BootableConfigRestoreFailed (104) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> • 1.1.0 • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised when the 5620 SAM fails to restore a set of NE configuration files.		
Raising condition: ('Restore State' EQUAL 'Failure')		
Clearing condition: ('Restore State' EQUAL 'Success')		
Remedial action: Investigation is required to resolve the following possible scenarios: the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

Table 20-16 BootParametersMisconfigured

Alarm	Attributes	Applicable major NE releases
Name: BootParametersMisconfigured (35) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: persistentIndexFailure (30) Applicable probable causes: <ul style="list-style-type: none"> • persistentIndexFailure • configFileBootFailure 	<ul style="list-style-type: none"> • 1.1.0 • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised when the SNMP Index Boot Status on an NE is not set to Persistent.		
Raising condition: (('isGenericNode' EQUAL 'false') AND ('State' NOT EQUAL 'Pre-provisioned') AND (('Config File Status' NOT EQUAL 'Executed Successfully') OR ('Persistent Index Status' NOT EQUAL 'Rebuild Succeeded')))		
Clearing condition: (('Config File Status' EQUAL 'Executed Successfully') AND ('Persistent Index Status' EQUAL 'Rebuild Succeeded'))		
Remedial action: Ensure that "SNMP Index Boot Status" is persistent (using cli command "show system information" on the NE). If not, unmanage the network element from SAM, ensure that "persist on" is set in the bof file, save the bof, save a config file, verify that an index file (.ndx) is saved as well, reboot the router, verify that SNMP Index Boot Status is persistent and finally remanage the router from SAM.		

Table 20-17 BundleDown

Alarm	Attributes	Applicable major NE releases
Name: BundleDown (152) Type: equipmentAlarm (3) Package: bundle Raised on class: bundle.Interface	Severity: critical Implicitly cleared: true Default probable cause: bundleDown (128)	<ul style="list-style-type: none"> • 1.1.0 • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised when the bundle Administrative State is Up and the Operational State is Down.		
Raising condition: (('Protection Type' EQUAL 'None') AND ('Administrative State' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up') AND ('specificCardType' NOT EQUAL '16 x E1 (ASAP)'))		
Clearing condition: (('Protection Type' NOT EQUAL 'None') OR ('operationalState' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: Informational - no corrective action required.		

Table 20-18 ClientDelegateServerStatus

Alarm	Attributes	Applicable major NE releases
Name: ClientDelegateServerStatus (731) Type: communicationsAlarm (4) Package: server Raised on class: server.ClientDelegateServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> • 1.1.0 • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised when a client delegate server is unreachable.		
Raising condition: ('Server Status' EQUAL 'Down')		
Clearing condition: ('Server Status' EQUAL 'Up')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the client delegate platform and SAM servers is unreliable or the client delegate server itself is unreliable.		

Table 20-19 ContainingEquipmentAdministrativelyDown

Alarm	Attributes	Applicable major NE releases
Name: ContainingEquipmentAdministrativelyDown (466) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: minor Implicitly cleared: true Default probable cause: containingEquipmentAdministrativelyDown (330)	<ul style="list-style-type: none"> • 1.1.0 • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentAdministrativelyDown.		
Raising condition: (('Status' EQUAL 'Parent Admin Down') AND ('isTerminatable' EQUAL 'true'))		
Clearing condition: (('Status' NOT EQUAL 'Parent Admin Down') OR ('isTerminatable' NOT EQUAL 'true'))		
Remedial action: Informational - no corrective action required.		

Table 20-20 ContainingEquipmentMismatch

Alarm	Attributes	Applicable major NE releases
Name: ContainingEquipmentMismatch (464) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentMismatch (328)	<ul style="list-style-type: none"> • 1.1.0 • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentMismatch.		
Raising condition: (('Status' EQUAL 'Parent Type Mismatch') AND ('isTerminatable' EQUAL 'true'))		
Clearing condition: (('Status' NOT EQUAL 'Parent Type Mismatch') OR ('isTerminatable' NOT EQUAL 'true'))		
Remedial action: A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

Table 20-21 ContainingEquipmentOperationallyDown

Alarm	Attributes	Applicable major NE releases
Name: ContainingEquipmentOperationallyDown (465) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentDown (329)	<ul style="list-style-type: none"> • 1.1.0 • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentOperationallyDown.		
Raising condition: (('Status' EQUAL 'Parent Oper Down') AND ('isTerminatable' EQUAL 'true'))		
Clearing condition: (('Status' NOT EQUAL 'Parent Oper Down') OR ('isTerminatable' NOT EQUAL 'true'))		
Remedial action: The operational state of the equipment element indicated in the alarm is down. This may be due to the element's administrative state or it may indicate that the element has failed.		

Table 20-22 CorruptImageFile

Alarm	Attributes	Applicable major NE releases
Name: CorruptImageFile (171) Type: configurationAlarm (11) Package: mediation Raised on class: mediation.AbstractSoftwareFolderDescriptor	Severity: critical Implicitly cleared: true Default probable cause: invalidOrCorruptImageFile (134)	<ul style="list-style-type: none"> • 1.1.0 • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised when one or more files in the 5620 SAM software image specified for a device software upgrade is invalid, corrupt or absent. The 5620 SAM validates a device software file set before it imports the file set and distributes it to an NE. Ensure that the file set downloads properly to the NE and is not tampered with before you re-attempt the upgrade. The alarm clears when a valid file set is on the NE and the 5620 SAM activates the software image in the file set.		
Raising condition: ('isImageValid' EQUAL 'false')		
Clearing condition: ('isImageValid' EQUAL 'true')		
Remedial action: The existing SW image in the SAM database should be replaced with an image that is known to be complete and valid.		

Table 20-23 CrossconnectDown

Alarm	Attributes	Applicable major NE releases
Name: CrossconnectDown (744) Type: CrossconnectAlarm (60) Package: mpr Raised on class: mpr.Crossconnect	Severity: major Implicitly cleared: true Default probable cause: crossconnectDown (520)	<ul style="list-style-type: none"> • 1.1.0 • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised when the Operational State of an L2 or L3 interface is Down, and the Administrative State of the associated site is Up. The alarm is not raised against an L2 access interface that is in the MC ring standby state.		
Raising condition: ('xcRowStatus' NOT EQUAL 'Active')		
Clearing condition: ('xcRowStatus' EQUAL 'Active')		
Remedial action: Please refer 9500 Node Maintenance manual for remedial action information.		

Table 20-24 DAD

Alarm	Attributes	Applicable major NE releases
Name: DAD (4416) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: duplicatedAddressDetected (1582)	<ul style="list-style-type: none"> • 1.1.0 • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is reported when MPR 9500 detects a duplicated IP address.		
Remedial action: Please refer 9500 Node Maintenance manual for remedial action information.		

Table 20-25 DialogFailure (equipment)

Alarm	Attributes	Applicable major NE releases
Name: DialogFailure (1163) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Equipment	Severity: variable Implicitly cleared: true Default probable cause: dialogFailure (866)	<ul style="list-style-type: none"> • 1.1.0 • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised when an MPT has a temporary communication failure.		
Remedial action: Please refer 9500 Node Maintenance manual for remedial action information.		

Table 20-26 DialogFailure (mpr)

Alarm	Attributes	Applicable major NE releases
Name: DialogFailure (1163) Type: communicationsAlarm (4) Package: mpr Raised on class: mpr.SubRackElements	Severity: variable Implicitly cleared: true Default probable cause: dialogFailure (866)	<ul style="list-style-type: none"> • 1.1.0 • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised when an MPT has a temporary communication failure.		
Remedial action: The alarm is raised upon temporary loss of communication with MPT. Refer 9500 Node Maintenance manual for remedial action information		

Table 20-27 downgradedCardAlarm

Alarm	Attributes	Applicable major NE releases
Name: downgradedCardAlarm (256) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: downgradedCard (195)	<ul style="list-style-type: none"> • 1.1.0 • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised when an IOM is not upgraded or reset after a device software upgrade of both CPMs. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
Raising condition: ('operationalState' EQUAL 'Downgrade')		
Clearing condition: ('operationalState' EQUAL 'Up')		
Remedial action: Informational - no corrective action required.		

Table 20-28 DS1E1AlarmIndicationSignal

Alarm	Attributes	Applicable major NE releases
Name: DS1E1AlarmIndicationSignal (112) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: alarmIndicationSignal (96)	<ul style="list-style-type: none"> • 1.1.0 • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised when an NE reports that a specific DS1 or E1 channel has an AIS alarm condition.		
Raising condition: (('Outstanding Alarms'anyBit'Alarm Indication Signal') AND ('Report Alarms'anyBit'Alarm Indication Signal'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Alarm Indication Signal') AND ('Report Alarms'anyBit'Alarm Indication Signal'))))		
Remedial action: Informational only.		

Table 20-29 DS1E1Looped

Alarm	Attributes	Applicable major NE releases
Name: DS1E1Looped (126) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: farEndLoopback (102)	<ul style="list-style-type: none"> • 1.1.0 • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised when an NE reports that a specific DS1 or E1 channel has a remote loopback alarm condition.		
Raising condition: (('Outstanding Alarms'anyBit'Far end wants the near end to loopback') AND ('Report Alarms'anyBit'Far end wants the near end to loopback'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Far end wants the near end to loopback') AND ('Report Alarms'anyBit'Far end wants the near end to loopback'))))		
Remedial action: Informational only.		

Table 20-30 DS1E1LossOfSignal

Alarm	Attributes	Applicable major NE releases
Name: DS1E1LossOfSignal (124) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: lossOfSignal (99)	<ul style="list-style-type: none"> • 1.1.0 • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised when an NE reports that a specific DS1 or E1 channel has an LOS alarm condition.		
Raising condition: (('Outstanding Alarms'anyBit'Loss of Signal') AND ('Report Alarms'anyBit'Loss of Signal'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Loss of Signal') AND ('Report Alarms'anyBit'Loss of Signal'))))		
Remedial action: Informational only.		

Table 20-31 DS1E1OutOfFrame

Alarm	Attributes	Applicable major NE releases
Name: DS1E1OutOfFrame (125) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: outOfFrame (100)	<ul style="list-style-type: none"> • 1.1.0 • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised when an NE reports that a specific DS1 or E1 channel has an OOF alarm condition.		
Raising condition: (('Outstanding Alarms'anyBit'Out Of Frame') AND ('Report Alarms'anyBit'Out Of Frame'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Out Of Frame') AND ('Report Alarms'anyBit'Out Of Frame'))))		
Remedial action: Informational only.		

Table 20-32 DS1E1ResourceAvailabilityIndicator

Alarm	Attributes	Applicable major NE releases
Name: DS1E1ResourceAvailabilityIndicator (114) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: resourceAvailabilityIndicator (98)	<ul style="list-style-type: none"> • 1.1.0 • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised when an NE reports that a specific DS1 or E1 channel has an RAI alarm condition.		
Raising condition: (('Outstanding Alarms'anyBit'Resource Availability Indicator') AND ('Report Alarms'anyBit'Resource Availability Indicator'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Resource Availability Indicator') AND ('Report Alarms'anyBit'Resource Availability Indicator'))))		
Remedial action: Informational only.		

Table 20-33 DS1E1SignalDegradation

Alarm	Attributes	Applicable major NE releases
Name: DS1E1SignalDegradation (500) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: signalDegradation (386)	<ul style="list-style-type: none"> • 1.1.0 • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised when an NE reports that a specific DS1 or E1 channel has an SD alarm condition.		
Raising condition: (('Outstanding Alarms'anyBit'Signal Degradation') AND ('Report Alarms'anyBit'Signal Degradation'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Signal Degradation') AND ('Report Alarms'anyBit'Signal Degradation'))))		
Remedial action: Informational only.		

Table 20-34 DS1E1SignalFailure

Alarm	Attributes	Applicable major NE releases
Name: DS1E1SignalFailure (501) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: signalFailure (387)	<ul style="list-style-type: none"> • 1.1.0 • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised when an NE reports that a specific DS1 or E1 channel has an SF alarm condition.		
Raising condition: (('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))))		
Remedial action: Informational only.		

Table 20-35 EquipmentAdministrativelyDown

Alarm	Attributes	Applicable major NE releases
Name: EquipmentAdministrativelyDown (455) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: minor Implicitly cleared: true Default probable cause: equipmentAdministrativelyDown (326)	<ul style="list-style-type: none"> • 1.1.0 • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentAdministrativelyDown.		
Raising condition: ('compositeEquipmentState' EQUAL 'Admin Down')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Admin Down')		
Remedial action: Informational - no corrective action required.		

Table 20-36 EquipmentDegraded

Alarm	Attributes	Applicable major NE releases
Name: EquipmentDegraded (604) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: minor Implicitly cleared: true Default probable cause: singleFanFailure (450)	<ul style="list-style-type: none"> • 1.1.0 • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised when a single fan fails. The chassis attempts to continue operating within the normal temperature range using only the remaining fans.		
Raising condition: ('Device State' EQUAL 'MinorFailure')		
Clearing condition: ('Device State' NOT EQUAL 'MinorFailure')		
Remedial action: The failed fan unit should be replaced.		

Table 20-37 EquipmentDown

Alarm	Attributes	Applicable major NE releases
Name: EquipmentDown (10) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: inoperableEquipment (8)	<ul style="list-style-type: none"> • 1.1.0 • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentOperationallyDown.		
Raising condition: ('compositeEquipmentState' EQUAL 'Oper Down')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Oper Down')		
Remedial action: This alarm indicates that a card in the NE has failed. The card must be replaced.		

Table 20-38 EquipmentFailure

Alarm	Attributes	Applicable major NE releases
Name: EquipmentFailure (145) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.ReplaceableUnit	Severity: critical Implicitly cleared: true Default probable cause: cardFailure (123)	<ul style="list-style-type: none"> • 1.1.0 • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised when a control processor or power-supply tray reports a failure. When the object type is ControlProcessor, a CPM may be unable to boot. When the object type is Power Supply Tray and the alarm is raised during device discovery, a power-supply tray may be out of service. When the object type is a Power Supply Tray and the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
Raising condition: ('operationalState' EQUAL 'Failed')		
Clearing condition: ('operationalState' NOT EQUAL 'Failed')		
Remedial action: If the alarm indicates that the CPM card has a fault, remove the card and reset it. If this does not clear the alarm then please contact Alcatel-Lucent support for assistance. If the alarm indicates that the Power Supply tray is out of service ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 20-39 EquipmentInTest

Alarm	Attributes	Applicable major NE releases
Name: EquipmentInTest (11) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: warning Implicitly cleared: true Default probable cause: equipmentInTest (9)	<ul style="list-style-type: none"> • 1.1.0 • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised when equipment enters a diagnostic state.		
Raising condition: ('compositeEquipmentState' EQUAL 'In Test')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'In Test')		
Remedial action: Informational - no corrective action required.		

Table 20-40 EquipmentMismatch

Alarm	Attributes	Applicable major NE releases
Name: EquipmentMismatch (9) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: equipmentTypeMismatch (7)	<ul style="list-style-type: none"> • 1.1.0 • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMismatch.		
Raising condition: ('compositeEquipmentState' EQUAL 'Type Mismatch')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Type Mismatch')		
Remedial action: A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

Table 20-41 EquipmentRemoved

Alarm	Attributes	Applicable major NE releases
Name: EquipmentRemoved (8) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: replaceableEquipmentRemoved (6)	<ul style="list-style-type: none"> • 1.1.0 • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMissing.		
Raising condition: (('compositeEquipmentState' EQUAL 'Removed') AND ('isEquipmentInserted' EQUAL 'true'))		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Removed')		
Remedial action: Informational - this alarm is raised when a card is removed.		

Table 20-42 EthernetPortConfiguredLoopback

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortConfiguredLoopback (801) Type: configurationAlarm (11) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: warning Implicitly cleared: true Default probable cause: ethernetPortConfiguredLoopback (567)	<ul style="list-style-type: none"> • 1.1.0 • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised when a timed loopback is in effect for an Ethernet port.		
Raising condition: (('Type' NOT EQUAL 'None'))		
Clearing condition: (('Type' EQUAL 'None'))		
Remedial action: This alarm has been raised by the node because "Timed Loopback" option of the specific port's Ethernet property has been enabled. To resolve this problem from "Ethernet" tab of "Physical Port" properties form configure "Timed Loopback" Type property as "None".		

Table 20-43 EthernetPortDuplicateLane

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortDuplicateLane (3557) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: DuplicateLane (1387)	<ul style="list-style-type: none"> • 1.1.0 • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised when a device reports a Duplicate Lane on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 20-44 EthernetPortHighBer

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortHighBer (307) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> • 1.1.0 • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised when a device reports a high bit-error rate on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))))		
Remedial action: One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 20-45 EthernetPortLocalFault

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortLocalFault (305) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: LocalFault (236)	<ul style="list-style-type: none"> • 1.1.0 • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised when a device reports a local fault on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))))		
Remedial action: One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 20-46 EthernetPortNoAmLock

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortNoAmLock (3558) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoAmLock (1388)	<ul style="list-style-type: none"> • 1.1.0 • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised when a device reports a No Am Lock on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 20-47 EthernetPortNoBlockLock

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortNoBlockLock (3559) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoBlockLock (1389)	<ul style="list-style-type: none"> • 1.1.0 • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised when a device reports a No Block Lock on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock'))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 20-48 EthernetPortNoFrameLock

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortNoFrameLock (306) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoFrameLock (237)	<ul style="list-style-type: none"> • 1.1.0 • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised when a device reports No Frame Lock on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock'))		
Remedial action: One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 20-49 EthernetPortRemoteFault

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortRemoteFault (304) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: RemoteFault (235)	<ul style="list-style-type: none"> • 1.1.0 • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised when a device reports a remote fault on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault'))		
Remedial action: One of the following conditions exists on the remote physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 20-50 EthernetPortSignalFailure

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortSignalFailure (303) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: SignalFailure (234)	<ul style="list-style-type: none"> • 1.1.0 • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised when a device reports a signal failure on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))))		
Remedial action: One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 20-51 ExternalTimingReferenceNotQualified

Alarm	Attributes	Applicable major NE releases
Name: ExternalTimingReferenceNotQualified (548) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: timingReferenceNotQualified (418)	<ul style="list-style-type: none"> • 1.1.0 • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised when the External timing reference on an NE is not in the Qualified state.		
Raising condition: (('Qualified For Use' EQUAL 'Not Qualified') AND ('Administrative State' NOT EQUAL 'Down'))		
Clearing condition: (('Qualified For Use' NOT EQUAL 'Not Qualified') OR ('Administrative State' EQUAL 'Down'))		
Remedial action: Informational		

Table 20-52 FanFailure

Alarm	Attributes	Applicable major NE releases
Name: FanFailure (624) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: fanFailure (116)	<ul style="list-style-type: none"> • 1.1.0 • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised when the associated fan is not operationally Up.		
Raising condition: (('Device State' EQUAL 'Failed') OR ('Device State' EQUAL 'Unknown') OR ('Device State' EQUAL 'OutOfService'))		
Clearing condition: ('Device State' EQUAL 'OK')		
Remedial action: Remove and reset the fan unit. If this does not resolve the problem replace the fan.		

Table 20-53 FanTrayRemoved

Alarm	Attributes	Applicable major NE releases
Name: FanTrayRemoved (569) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: FanTrayRemoved (438)	<ul style="list-style-type: none"> • 1.1.0 • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised when the deviceState attribute has a value of deviceNotEquipped.		
Raising condition: ('Device State' EQUAL 'Not Equipped')		
Clearing condition: ('Device State' NOT EQUAL 'Not Equipped')		
Remedial action: Informational - a fan tray has been removed from the NE.		

Table 20-54 FrameSizeProblem (netw)

Alarm	Attributes	Applicable major NE releases
Name: FrameSizeProblem (37) Type: configurationAlarm (11) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: frameSizeProblem (33)	<ul style="list-style-type: none"> • 1.1.0 • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised when a provisioned MTU size value is greater than the supported MTU size value.		
Raising condition: (('mtuMismatch' EQUAL 'true') AND ('portId' NOT EQUAL '0L'))		
Clearing condition: (('mtuMismatch' EQUAL 'false') OR ('portId' EQUAL '0L'))		
Remedial action: A configuration error has been made which must be corrected. The MTU value must be changed such that is less than or equal to the supported MTU size value.		

Table 20-55 GaPeerDown

Alarm	Attributes	Applicable major NE releases
Name: GaPeerDown (3303) Type: EpcAlarm (59) Package: Iteggsn Raised on class: Iteggsn.GaPeer	Severity: major Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> • 1.1.0 • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised when the path management state of a Ga peer changes to a state other than Up.		
Raising condition: ('Path Management State' NOT EQUAL 'Active')		
Clearing condition: ('Path Management State' EQUAL 'Active')		
Remedial action: A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

Table 20-56 IfVlanSubTypeConflict

Alarm	Attributes	Applicable major NE releases
Name: IfVlanSubTypeConflict (213) Type: configurationAlarm (11) Package: vlan Raised on class: vlan.L2AccessInterface	Severity: major Implicitly cleared: true Default probable cause: topologyMisconfigured (81)	<ul style="list-style-type: none"> • 1.1.0 • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised when more than one type of VLAN service is configured with the same VLAN ID. The alarm is raised against an L2 access interface.		
Raising condition: ('vlanSubTypeConflict' EQUAL 'true')		
Clearing condition: ('vlanSubTypeConflict' EQUAL 'false')		
Remedial action: Ensure that only one type of VLAN Service is configured with the VLAN ID used by this Interface.		

Table 20-57 IncompleteConfiguration

Alarm	Attributes	Applicable major NE releases
Name: IncompleteConfiguration (1942) Type: operationalViolation (93) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: incompleteConfig (225)	<ul style="list-style-type: none"> • 1.1.0 • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised when a pre-provisioned NE has no objects configured beneath it.		
Raising condition: (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' EQUAL '\'))		
Clearing condition: (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' NOT EQUAL '\'))		
Remedial action: A configuration error has been made which must be corrected. The configuration of the pre-provisioned NE is incomplete. A work order was not associated with the pre-provisioned NE and as a consequence the attempt to auto-configure the NE failed.		

Table 20-58 InterfaceDown (netw)

Alarm	Attributes	Applicable major NE releases
Name: InterfaceDown (36) Type: InterfaceAlarm (13) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> • 1.1.0 • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised when an interface or underlying resource fails, as indicated by an interface compositeState attribute value of failed or underlyingResourceFailed.		
Raising condition: (('compositeState' EQUAL 'Inoperable') OR ('compositeState' EQUAL 'Underlying Resource Inoperable'))		
Clearing condition: (('compositeState' NOT EQUAL 'Inoperable') AND ('compositeState' NOT EQUAL 'Underlying Resource Inoperable'))		
Remedial action: A physical port (physical interface, LAG, channel) associated with the network interface in not operation. Ensure that the interface is cabled and that there isn't a configuration error (i.e. MTU size set incorrectly) on the interface. Once the issue w		

Table 20-59 LagDown

Alarm	Attributes	Applicable major NE releases
Name: LagDown (20) Type: equipmentAlarm (3) Package: lag Raised on class: lag.Interface	Severity: critical Implicitly cleared: true Default probable cause: lagDown (17)	<ul style="list-style-type: none"> • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised when all ports in a LAG are operationally down.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
Clearing condition: (('operationalState' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: This alarm indicates that all physical Ethernet links associated with a LAG are operationally down. The reasons for the links to be down may vary from link to link. The following possible causes of this alarm should be investigated. The physical port (near end or far end may have failed - this can be remedied by replacing the interface card in question. The physical links may have been turned down administratively - re-enable the links. A cable failure or disconnect may have occurred - please ensure that the cables are properly connected to the physical port and and that the cable has not been damaged.		

Table 20-60 LagPortAddFailed

Alarm	Attributes	Applicable major NE releases
Name: LagPortAddFailed (422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: warning Implicitly cleared: true Default probable cause: linkDown (315)	<ul style="list-style-type: none"> • 1.1.0 • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised when the Lag Port Add function Fails.		
Raising condition: (('state' EQUAL 'Link Down') AND ('LAG ID' > '0'))		
Clearing condition: (('state' NOT EQUAL 'Link Down') OR ('LAG ID' EQUAL '0'))		
Remedial action: A configuration error has occurred which must be corrected. The link that was to be added to the LAG group may be of the wrong type (i.e. non ethernet) or the limit of the number of links supported in a LAG may have been reached.		

Table 20-61 LicensedLimitExceeded

Alarm	Attributes	Applicable major NE releases
Name: LicensedLimitExceeded (127) Type: licensingAlarm (23) Package: security Raised on class: security.ProductLicense	Severity: critical Implicitly cleared: true Default probable cause: licensedLimitExceeded (106)	<ul style="list-style-type: none"> • 1.1.0 • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised when the license items in the network exceeds 100 percent of the license capacity.		
Raising condition: ('Exceeded' EQUAL 'true')		
Clearing condition: ('Exceeded' NOT EQUAL 'true')		
Remedial action: Informational - The number of SAM licenses purchased and available on the SAM server is insufficient as compared to the number of NEs/MDA/Cells under management in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

Table 20-62 LineAlarmIndicationSignal

Alarm	Attributes	Applicable major NE releases
Name: LineAlarmIndicationSignal (84) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: lineAlarmIndicationSignal (70)	<ul style="list-style-type: none"> • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised when a SONET port reports an LAIS error. The alarm corresponds to the lais alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'Line Alarm Indication Signal') AND ('Report Alarms'anyBit'Line Alarm Indication Signal'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Line Alarm Indication Signal') AND ('Report Alarms'anyBit'Line Alarm Indication Signal'))))		
Remedial action: Informational only.		

Table 20-63 LineErrorCondition

Alarm	Attributes	Applicable major NE releases
Name: LineErrorCondition (94) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: lineErrorCondition (80)	<ul style="list-style-type: none"> • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised when a SONET port reports a line error condition that a remote NE raises because of b1 errors received from the local NE. The alarm corresponds to the lrei alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'Line Error Condition') AND ('Report Alarms'anyBit'Line Error Condition'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Line Error Condition') AND ('Report Alarms'anyBit'Line Error Condition'))))		
Remedial action: Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 20-64 LineRemoteDefectIndication

Alarm	Attributes	Applicable major NE releases
Name: LineRemoteDefectIndication (85) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: lineRemoteDefectIndication (71)	<ul style="list-style-type: none"> • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised when a SONET port reports a line remote defect indication error caused by an LOF, LOC, or LOS condition. The alarm corresponds to the Irdi alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'Line Remote Defect Indication') AND ('Report Alarms'anyBit'Line Remote Defect Indication'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Line Remote Defect Indication') AND ('Report Alarms'anyBit'Line Remote Defect Indication'))))		
Remedial action: Informational only.		

Table 20-65 LinkDown

Alarm	Attributes	Applicable major NE releases
Name: LinkDown (12) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: portLinkProblem (10)	<ul style="list-style-type: none"> • 1.1.0 • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised when a port has no associated physical link or remote end point is operationally down.		
Raising condition: (('compositeEquipmentState' EQUAL 'Link Down') OR ('compositeEquipmentState' EQUAL 'Oper Down'))		
Clearing condition: (('compositeEquipmentState' NOT EQUAL 'Link Down') AND ('compositeEquipmentState' NOT EQUAL 'Oper Down'))		
Remedial action: Please make sure that port has physical link and remote end point is operationally up.		

Table 20-66 LossOfClock (sonetequipment)

Alarm	Attributes	Applicable major NE releases
Name: LossOfClock (83) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: lossOfClock (69)	<ul style="list-style-type: none"> • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised when a SONET port reports an LOC condition, which causes the NE to set the port Operational State to Down.		
Raising condition: (('Outstanding Alarms'anyBit'Loss of Clock') AND ('Report Alarms'anyBit'Loss of Clock'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Loss of Clock') AND ('Report Alarms'anyBit'Loss of Clock'))))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected.		

Table 20-67 LossOfMultiFrame

Alarm	Attributes	Applicable major NE releases
Name: LossOfMultiFrame (3930) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Port	Severity: variable Implicitly cleared: true Default probable cause: lossOfMultiFrame (1514)	<ul style="list-style-type: none"> • 1.1.0 • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: This alarm is raised when a loss of multiple frames occurs on the SDH port.		
Remedial action: This alarm is raised when there is a loss of multiple frames on the SDH port.		

Table 20-68 LowTemperatureDetected

Alarm	Attributes	Applicable major NE releases
Name: LowTemperatureDetected (1127) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOvercooled (838)	<ul style="list-style-type: none"> • 1.1.0 • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised when the chassis temperature falls below the minimum threshold.		
Raising condition: ('Low Temperature State' EQUAL 'Low')		
Clearing condition: ('Low Temperature State' NOT EQUAL 'Low')		
Remedial action: The NE has detected internal temperatures which are abnormally low. This may happen when the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 20-69 macMoveRateExceeded (service)

Alarm	Attributes	Applicable major NE releases
Name: macMoveRateExceeded (3690) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: minor Implicitly cleared: true Default probable cause: MacMoveRateExceeded (1429)	<ul style="list-style-type: none"> • 1.1.0 • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site.		
Raising condition: ('State Cause'anyBit'Relearn Limit Exceeded')		
Clearing condition: NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		
Remedial action: Informational.		

Table 20-70 macMoveRateExceededNonBlock (service)

Alarm	Attributes	Applicable major NE releases
Name: macMoveRateExceededNonBlock (4893) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: info Implicitly cleared: true Default probable cause: MacMoveRateExceededNonBlock (1951)	<ul style="list-style-type: none"> • 1.1.0 • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site when limitMacMove(sapTIsLimitMacMove) is set to 'nonBlocking'.		
Raising condition: ('State Cause'anyBit'Relearn Limit Exceeded')		
Clearing condition: NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		
Remedial action: Informational - User can adjust the value of 'MAC Move Maximum Rate' to reduce the frequency of this alarm.		

Table 20-71 MobileConnectorDown

Alarm	Attributes	Applicable major NE releases
Name: MobileConnectorDown (1064) Type: EpcAlarm (59) Package: Iteservice Raised on class: Iteservice.MobileServiceConnector	Severity: minor Implicitly cleared: true Default probable cause: EpcDown (519)	<ul style="list-style-type: none"> • 1.1.0 • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised when the 5620 SAM no longer manages the EPS path instance of this mobile service site. As a result, the service must be regenerated.		
Raising condition: ('EPS Path' EQUAL '\')		
Clearing condition: ('EPS Path' NOT EQUAL '\')		
Remedial action: The underlying transport network has gone down resulting in the deletion of a mobile service connector (EPS path). Correct the issue with the transport network and regenerate the mobile service connector by clicking on the re-calculate button on the mobile service properties form.		

Table 20-72 MvrSiteDown

Alarm	Attributes	Applicable major NE releases
Name: MvrSiteDown (162) Type: ProtocolAlarm (1) Package: layer2 Raised on class: layer2.MvrSite	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 1.1.0 • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised when MVR is disabled on an NE and a TLS VLAN or MVR VLAN service is provisioned on the NE.		
Raising condition: ('MVR Admin Status' EQUAL 'Disabled')		
Clearing condition: ('MVR Admin Status' EQUAL 'Enabled')		
Remedial action: To clear the alarm, enable MVR Admin Status under the Bridge Instance.		

Table 20-73 NeManagementAndTrapManagementMismatch

Alarm	Attributes	Applicable major NE releases
Name: NeManagementAndTrapManagementMismatch (1079) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: neManagementChange (817)	<ul style="list-style-type: none"> • 1.1.0 • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: This user-defined alarm is raised when the NE configuration is one of the following: - The Active Management IP is set to Out Of Band, and the Primary Route Preference is set to In Band. - The Active Management IP is set to In Band, and the Primary Route Preference is set to Out of Band.		
Raising condition: (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only')) AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only')) AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'Out Of Band')))		
Clearing condition: (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only')) AND ('Primary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only')) AND ('Primary Route Preference' EQUAL 'Out Of Band')))		
Remedial action: A configuration error has been made which must be corrected. The parameters described in the description for this alarm must match.		

Table 20-74 NewSsh2ServerKeyDetected

Alarm	Attributes	Applicable major NE releases
Name: NewSsh2ServerKeyDetected (285) Type: communicationsAlarm (4) Package: security Raised on class: security.KnownHostKey	Severity: warning Implicitly cleared: true Default probable cause: ssh2ServerKeyMismatch (217)	<ul style="list-style-type: none"> • 1.1.0 • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised when a 5620 SAM main server detects a new public SSH key.		
Raising condition: ('SSH2 Server Key Status' EQUAL 'Mismatch SSH2 Host Key')		
Clearing condition: ('SSH2 Server Key Status' EQUAL 'Active SSH2 Host Key')		
Remedial action: Informational - possible security breach. The SSH key of the router is different from the one known to the SAM server.		

Table 20-75 NodeDatabaseFallbackDetected

Alarm	Attributes	Applicable major NE releases
Name: NodeDatabaseFallbackDetected (2923) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseFallback (1121)	<ul style="list-style-type: none"> • 1.1.0 • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised when a configuration fallback is detected on the node and comes back up with a previous configuration. To correct this situation it might be necessary to reconfigure the node, or perform full resync its database with the 'fallback' configuration returned by the node.		
Raising condition: ('State' EQUAL 'Node Configuration Fallback')		
Clearing condition: ('State' EQUAL 'Managed')		
Remedial action: the NE has come back to a previous configuration. Perform a manual Full Resync or a Reconfigure of the NE		

Table 20-76 NodeDatabaseMisalignmentDetected

Alarm	Attributes	Applicable major NE releases
Name: NodeDatabaseMisalignmentDetected (2924) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseMisalignment (1122)	<ul style="list-style-type: none"> • 1.1.0 • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised when a configuration misalignment has been detected on the node and comes back up with an unexpected configuration (configuration change triggered by external tool) To correct this situation it might be necessary to reconfigure the node with the 5620 SAM's old configuration or accept the new configuration received from the node.		
Raising condition: ('State' EQUAL 'Node Configuration Misalignment')		
Clearing condition: ('State' EQUAL 'Managed')		
Remedial action: the NE configuration is misaligned. Perform a resync in order to update SAM configuration according to the NE.		

Table 20-77 NodeSuspended

Alarm	Attributes	Applicable major NE releases
Name: NodeSuspended (5123) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: NodeSuspend (2057)	<ul style="list-style-type: none"> • 1.1.0 • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised when the 5620 SAM detects an NE moved to suspend state as per user request.		
Raising condition: ('SNMP Reachability' EQUAL 'Suspended')		
Clearing condition: ('SNMP Reachability' NOT EQUAL 'Suspended')		
Remedial action: This alarm is raised when user suspends the network element. The alarm will be cleared when the network element is managed back.		

Table 20-78 OrphanNodeDetected

Alarm	Attributes	Applicable major NE releases
Name: OrphanNodeDetected (4866) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.AdvertisedNode	Severity: major Implicitly cleared: true Default probable cause: nodeNotManagedByAnyEms (1934)	<ul style="list-style-type: none"> • 1.1.0 • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised when node is node managed by any EMS after n retries(threshold crossed) it is manually cleared by the operator or when the node is discovered.		
Raising condition: ('state' EQUAL 'orphan')		
Remedial action: The NE is not managed by any SAM.Add an discory rule in order to managed it.		

Table 20-79 OverTemperatureDetected

Alarm	Attributes	Applicable major NE releases
Name: OverTemperatureDetected (388) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> • 1.1.0 • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised when the chassis temperature exceeds the maximum threshold value.		
Raising condition: ('Over Temperature State' EQUAL 'Over')		
Clearing condition: ('Over Temperature State' NOT EQUAL 'Over')		
Remedial action: The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 20-80 PartialResyncProblem

Alarm	Attributes	Applicable major NE releases
Name: PartialResyncProblem (4401) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: partialResyncProblem (1578)	<ul style="list-style-type: none"> • 1.1.0 • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised when an Partial Resync on an NE fails. For example, when resyncing only some MIB entries as opposed to a full resync. The periodic reachability test (sysUpTime) is not considered a partial resync, neither is a full resync. However, a PartialResyncProblem alarm can only be reset by a FullResync.		
Raising condition: ('partialResyncStatus' EQUAL 'Partial Resync Failed')		
Clearing condition: ('partialResyncStatus' EQUAL 'Partial Resync Done')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE.		

Table 20-81 PersistentIndexParametersMisconfigured

Alarm	Attributes	Applicable major NE releases
Name: PersistentIndexParametersMisconfigured (173) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: persistentIndexConfigurationMismatch (136)	<ul style="list-style-type: none"> • 1.1.0 • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised when persistence is set to Off in the NE BOF.		
Raising condition: (('Persistent SNMP Indices' EQUAL 'False') OR (('hasRedundantProcessorCards' EQUAL 'true') AND ('Redundant Synchronization Mode' EQUAL 'None')))		
Clearing condition: (('Persistent SNMP Indices' EQUAL 'True') AND (('hasRedundantProcessorCards' EQUAL 'false') OR ('Redundant Synchronization Mode' NOT EQUAL 'None')))		
Remedial action: A configuration error has occurred that must be corrected. Use the CLI on the NE to enable persistency in the BOF. The discovery process will complete on the next discovery scan. A re-scan can be triggered immediately for the NE from within the discovery manager		

Table 20-82 PollerProblem

Alarm	Attributes	Applicable major NE releases
Name: PollerProblem (31) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: resyncFailed (24)	<ul style="list-style-type: none"> • 1.1.0 • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
Raising condition: ('Resync Status' EQUAL 'Full Resync Failed')		
Clearing condition: ('Resync Status' EQUAL 'Full Resync Done')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 20-83 PrimaryImageBootFailure

Alarm	Attributes	Applicable major NE releases
Name: PrimaryImageBootFailure (191) Type: configurationAlarm (11) Package: sw Raised on class: sw.CardSoftware	Severity: warning Implicitly cleared: true Default probable cause: bootOptionFileMisconfigured (150)	<ul style="list-style-type: none"> • 1.1.0 • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised when the primary software image specified in an NE BOF is unusable.		
Raising condition: (('imageSource' NOT EQUAL 'Primary') AND ('imageSource' NOT EQUAL 'Unknown'))		
Clearing condition: (('imageSource' EQUAL 'Primary') OR ('imageSource' EQUAL 'Unknown'))		
Remedial action: The SW image on the NE may have been inadvertently corrupted. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

Table 20-84 PTPNotQualified

Alarm	Attributes	Applicable major NE releases
Name: PTPNotQualified (3611) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPNotQualified (1400)	<ul style="list-style-type: none"> • 1.1.0 • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised when PTP on an NE is not in the Qualified state.		
Raising condition: (('Qualified For Use' EQUAL 'Not Qualified'))		
Clearing condition: (('Qualified For Use' NOT EQUAL 'Not Qualified'))		
Remedial action: Check the communication path is up between the local PTP slave clock and its selected master		

Table 20-85 PTPReferenceLossOfSignal

Alarm	Attributes	Applicable major NE releases
Name: PTPReferenceLossOfSignal (3613) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPReferenceLossOfSignal (1402)	<ul style="list-style-type: none"> • 1.1.0 • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised when the PTP reference on an NE is not qualified due to Loss of Signal.		
Raising condition: (('Not Qualified Due To'anyBit'LOS'))		
Clearing condition: NOT (('Not Qualified Due To'anyBit'LOS'))		
Remedial action: Check the communication path is up between the local PTP slave clock and its selected master		

Table 20-86 PTPReferenceOutOfFrequency

Alarm	Attributes	Applicable major NE releases
Name: PTPReferenceOutOfFrequency (3614) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPReferenceOutOfFrequency (1403)	<ul style="list-style-type: none"> • 1.1.0 • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised when the PTP Reference on an NE is not qualified due to Out of frequency.		
Raising condition: (('Not Qualified Due To'anyBit'OOF'))		
Clearing condition: NOT (('Not Qualified Due To'anyBit'OOF'))		
Remedial action: Make sure that fequency configured for Reference One is correct.		

Table 20-87 PTPReferenceOutOfPollInRange

Alarm	Attributes	Applicable major NE releases
Name: PTPReferenceOutOfPollInRange (3615) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPReferenceOutOfPollInRange (1404)	<ul style="list-style-type: none"> • 1.1.0 • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised when the PTP Reference on an NE is not qualified state due to Out of poll in range.		
Raising condition: (('Not Qualified Due To'anyBit'OOPIR'))		
Clearing condition: NOT (('Not Qualified Due To'anyBit'OOPIR'))		
Remedial action: If there is packet flow, the PTP slave clock is in it's initial acquiring states where the sync-if-timing reference does not qualify just wait.		

Table 20-88 RadiusOperStatusDown

Alarm	Attributes	Applicable major NE releases
Name: RadiusOperStatusDown (3692) Type: radiusOperStatusDownAlarm (105) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: radiusOperationStatusDown (1431)	<ul style="list-style-type: none"> • 1.1.0 • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised when all RADIUS servers have gone down.		
Raising condition: ('Global RADIUS Operational State' EQUAL 'Down')		
Clearing condition: ('Global RADIUS Operational State' EQUAL 'Up')		
Remedial action: Verify the RADIUS server is properly configured and radius server state is up. Check the connectivity between SAM server and radius server configured on the Network element.		

Table 20-89 ReachabilityProblem

Alarm	Attributes	Applicable major NE releases
Name: ReachabilityProblem (243) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ReachabilityTestFailed (176)	<ul style="list-style-type: none"> • 1.1.0 • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised when an Mediation poll of the SysUpTimeAlarm object on an NE fails, for example, because of network congestion or because the NE is too busy to respond. The probable cause is an unreachable NE Mediation agent on the NE. By default, the 5620 SAM polls a managed NE every two minutes. If a poll fails, the alarm is raised. The 5620 SAM polls the NE two minutes after the first failure. If successive polls fail, the 5620 SAM raises the polling interval for the NE by two minutes after each failure to a maximum of 12 min. The polling interval remains at 12 min until the 5620 SAM receives a response from the NE. The alarm clears when the 5620 SAM receives a response from the NE, and the 5620 SAM GUI icon that represents the NE turns from red to green.		
Raising condition: ('SNMP Reachability' EQUAL 'Down')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 20-90 ReconfigFailure

Alarm	Attributes	Applicable major NE releases
Name: ReconfigFailure (1949) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: failedReconfig (937)	<ul style="list-style-type: none"> • 1.1.0 • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: This alarm is raised when the reconfig action failed.		
Raising condition: ('State' EQUAL 'Failed')		
Clearing condition: ('State' NOT EQUAL 'Failed')		
Remedial action: Verify that the object is configured as expected.		

Table 20-91 RxSectionSynchronizationError

Alarm	Attributes	Applicable major NE releases
Name: RxSectionSynchronizationError (93) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: rxSectionSynchronizationError (79)	<ul style="list-style-type: none"> • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised when a SONET port reports a section synchronization failure. A section synchronization failure occurs when the S1 byte is inconsistent for eight consecutive frames.		
Raising condition: (('Outstanding Alarms'anyBit'RX Section Synchronization Error') AND ('Report Alarms'anyBit'RX Section Synchronization Error'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'RX Section Synchronization Error') AND ('Report Alarms'anyBit'RX Section Synchronization Error'))		
Remedial action: Check the link status between SONET Port and the source.		

Table 20-92 SaveConfigFailed

Alarm	Attributes	Applicable major NE releases
Name: SaveConfigFailed (105) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileAccessError (90)	<ul style="list-style-type: none"> • 1.1.0 • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised when the admin save command on an NE fails.		
Raising condition: ('Config Save State' EQUAL 'Failure')		
Clearing condition: ('Config Save State' EQUAL 'Success')		
Remedial action: Attempt the admin save command a second time. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 20-93 ScheduledPollerProblem

Alarm	Attributes	Applicable major NE releases
Name: ScheduledPollerProblem (4386) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: scheduledResyncFailed (1569)	<ul style="list-style-type: none"> • 1.1.0 • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
Raising condition: ('Scheduled Resync Status' EQUAL 'Scheduled Resync Failed')		
Clearing condition: ('Scheduled Resync Status' EQUAL 'Scheduled Resync Done')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 20-94 SectionB1Error

Alarm	Attributes	Applicable major NE releases
Name: SectionB1Error (87) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: sectionB1Error (73)	<ul style="list-style-type: none"> • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised when a SONET port reports a section error condition that a remote NE raises because of b1 errors received from the local NE. The alarm corresponds to the lrei alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'Section B1 Error') AND ('Report Alarms'anyBit'Section B1 Error'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Section B1 Error') AND ('Report Alarms'anyBit'Section B1 Error'))))		
Remedial action: Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 20-95 SectionLossOfFrame

Alarm	Attributes	Applicable major NE releases
Name: SectionLossOfFrame (90) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: sectionLossOfFrame (76)	<ul style="list-style-type: none"> • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised when a SONET port reports a SLOF error. The alarm corresponds to the slof alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'Section Loss of Frame') AND ('Report Alarms'anyBit'Section Loss of Frame'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Section Loss of Frame') AND ('Report Alarms'anyBit'Section Loss of Frame'))))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected.		

Table 20-96 SectionLossOfSignal

Alarm	Attributes	Applicable major NE releases
Name: SectionLossOfSignal (91) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: sectionLossOfSignal (77)	<ul style="list-style-type: none"> • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised when a SONET port reports a SLOS error. The alarm corresponds to the slos alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'Section Loss of Signal') AND ('Report Alarms'anyBit'Section Loss of Signal'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Section Loss of Signal') AND ('Report Alarms'anyBit'Section Loss of Signal'))))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected.		

Table 20-97 SectionS1Failure

Alarm	Attributes	Applicable major NE releases
Name: SectionS1Failure (86) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: sectionS1Failure (72)	<ul style="list-style-type: none"> • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised when a SONET port reports a section synchronization failure. A section synchronization failure occurs when the S1 byte is inconsistent for eight consecutive frames.		
Raising condition: (('Outstanding Alarms'anyBit'Section S1 Failure') AND ('Report Alarms'anyBit'Section S1 Failure'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Section S1 Failure') AND ('Report Alarms'anyBit'Section S1 Failure'))))		
Remedial action: Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 20-98 ServiceSiteDown

Alarm	Attributes	Applicable major NE releases
Name: ServiceSiteDown (97) Type: serviceAlarm (16) Package: service Raised on class: service.Site	Severity: critical Implicitly cleared: true Default probable cause: siteDown (83)	<ul style="list-style-type: none"> • 1.1.0 • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised when all SAPs on a site are operationally down, or when the service tunnels for the site are operationally down.		
Raising condition: (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'All Spoke SDP Bindings are Standby'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'All Spoke SDP Bindings are Standby'))		
Remedial action: The network resources (i.e. physical ports for SAPs, or physical ports/LSP) associated with the service site should be examined to determine if/why they are operationally down. The underlying transport network supporting the site may also be unreliable.		

Table 20-99 SiteManagementVlanConflict

Alarm	Attributes	Applicable major NE releases
Name: SiteManagementVlanConflict (223) Type: configurationAlarm (11) Package: vlan Raised on class: vlan.Site	Severity: warning Implicitly cleared: true Default probable cause: topologyMisconfigured (81)	<ul style="list-style-type: none"> • 1.1.0 • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised when the management VLAN ID is used for another type of service.		
Raising condition: ('managementVlanConflict' EQUAL 'true')		
Clearing condition: ('managementVlanConflict' EQUAL 'false')		
Remedial action: Ensure that the VLAN ID of this Management Service Site is not used on any other type of VLAN Service Site.		

Table 20-100 SiteVlanSubTypeConflict

Alarm	Attributes	Applicable major NE releases
Name: SiteVlanSubTypeConflict (224) Type: configurationAlarm (11) Package: vlan Raised on class: vlan.Site	Severity: major Implicitly cleared: true Default probable cause: topologyMisconfigured (81)	<ul style="list-style-type: none"> • 1.1.0 • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised when more than one type of VLAN service has the same VLAN ID. The alarm is raised against a site.		
Raising condition: ('vlanSubTypeConflict' EQUAL 'true')		
Clearing condition: ('vlanSubTypeConflict' EQUAL 'false')		
Remedial action: Ensure that only one type of VLAN Service is configured with the VLAN ID used by this Site.		

Table 20-101 StatsRetrieveFailed

Alarm	Attributes	Applicable major NE releases
Name: StatsRetrieveFailed (244) Type: configurationAlarm (11) Package: sw Raised on class: sw.AccountingStatsRetrievalManager	Severity: major Implicitly cleared: false Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> • 1.1.0 • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised when the 5620 SAM main or auxiliary server cannot transfer an accounting file from an NE.		
Raising condition: (('Stats Retrieval State' NOT EQUAL 'Success') AND ('Stats Retrieval State' NOT EQUAL 'Not Attempted'))		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy or otherwise cannot respond to the 5620 SAM main or auxiliary server.		

Table 20-102 SubscriberSystemNextHopUsageHigh

Alarm	Attributes	Applicable major NE releases
Name: SubscriberSystemNextHopUsageHigh (5157) Type: thresholdCrossed (6) Package: netw Raised on class: netw.NetworkElement	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> • 1.1.0 • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit.		
Raising condition: ('IP Next Hop Usage High' EQUAL 'true')		
Clearing condition: ('IP Next Hop Usage High' EQUAL 'false')		
Remedial action: The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit. There is no immediate effect, but when the usage actually hits the limit, new hosts will not get their managed routes.		

Table 20-103 TmnxEqPortEtherLoopDetected

Alarm	Attributes	Applicable major NE releases
Name: TmnxEqPortEtherLoopDetected (461) Type: portEtherLoopDetected (48) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> • 1.1.0 • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised when a device detects a physical loop on an Ethernet port.		
Raising condition: (('Down When Looped Status' EQUAL 'Loop Detected'))		
Clearing condition: (('Down When Looped Status' EQUAL 'No Loop Detected'))		
Remedial action: An Ethernet port has been mis-cabled - please remove the loopback cable on the port.		

Table 20-104 TrapDestinationMisconfigured

Alarm	Attributes	Applicable major NE releases
Name: TrapDestinationMisconfigured (33) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: trapDestinationMisconfigured (26) Applicable probable causes: <ul style="list-style-type: none"> trapDestinationMisconfigured duplicateTrapLogId 	<ul style="list-style-type: none"> 1.1.0 3.0.0 3.1.0 3.2.0 3.3.0 3.4.0 4.0.0 4.1.0 4.2.0 5.0.0 5.1.0
Description: The alarm is raised when the 5620 SAM cannot be added to the NE's SNMP trap destinations.		
Raising condition: ('isTrapDestinationMisconfigured' EQUAL 'true')		
Clearing condition: ('isTrapDestinationMisconfigured' EQUAL 'false')		
Remedial action: A configuration error has been made which must be corrected. The SNMP trap destination on the NE must be configured to the IP address of the SAM server.		

Table 20-105 TrapReceivingFailure

Alarm	Attributes	Applicable major NE releases
Name: TrapReceivingFailure (1083) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: false Default probable cause: trapsWillNotBeSent (822)	<ul style="list-style-type: none"> 1.1.0 3.0.0 3.1.0 3.2.0 3.3.0 3.4.0 4.0.0 4.1.0 4.2.0 5.0.0 5.1.0
Description: This user-defined alarm is raised when the NE is unable to send traps because the NE configuration is one of the following: - The Management IP Selection is set to Out Of Band Only, the Primary Route Preference is set to In Band, and the Secondary Route Preference is set to None. - The Management IP Selection is set to In Band Only, the Primary Route Preference is set to Out Of Band, and the Secondary Route Preference is set to None.		
Raising condition: (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		

(1 of 2)

20 – Alcatel-Lucent 9500 MPR alarms

Alarm	Attributes	Applicable major NE releases
Clearing condition: (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND (('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND (('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND (('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND (('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND (('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND (('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band'))))		
Remedial action: A configuration error has been made which must be corrected. The configuration error must be corrected per the discussion in the description for this alarm.		

(2 of 2)

Table 20-106 TrapRoutePreferenceRedundancyMissing

Alarm	Attributes	Applicable major NE releases
Name: TrapRoutePreferenceRedundancyMissing (1084) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: trapsRedundancyMissing (823)	<ul style="list-style-type: none"> • 1.1.0 • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The user-defined alarm is raised when NE management redundancy is configured without trap route preference redundancy.		
Raising condition: (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
Clearing condition: (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Secondary Route Preference' NOT EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Secondary Route Preference' NOT EQUAL 'None'))))		
Remedial action: A configuration error has been made which must be corrected. The IP address of the standby SAM server must be configured on the NE in question.		

Table 20-107 TxSectionSynchronizationError

Alarm	Attributes	Applicable major NE releases
Name: TxSectionSynchronizationError (92) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: txSectionSynchronizationError (78)	<ul style="list-style-type: none"> • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised when a SONET port reports an SS1F error. The alarm corresponds to the ss1f alarm on an NE.		
Raising condition: (('Outstanding Alarms'anyBit'TX Section Synchronization Error') AND ('Report Alarms'anyBit'TX Section Synchronization Error'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'TX Section Synchronization Error') AND ('Report Alarms'anyBit'TX Section Synchronization Error'))		
Remedial action: Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 20-108 UnidentifiedNode

Alarm	Attributes	Applicable major NE releases
Name: UnidentifiedNode (1922) Type: communicationsAlarm (4) Package: netw Raised on class: netw.DiscoveredNode	Severity: major Implicitly cleared: true Default probable cause: unidentifiedNode (922)	<ul style="list-style-type: none"> • 1.1.0 • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised when the node being discovered can not be properly identified.		
Raising condition: ('State' EQUAL 'Pending Identification')		
Clearing condition: ('State' NOT EQUAL 'Pending Identification')		
Remedial action: A configuration error has occurred that must be corrected. The eNodeB does not have a system name. The name can be configured by selecting the alarm, opening the associated properties form for the alarmed object and configuring the system name.		

Table 20-109 UnmanageFailed

Alarm	Attributes	Applicable major NE releases
Name: UnmanageFailed (300) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.NodeDiscoveryControl	Severity: warning Implicitly cleared: true Default probable cause: unableToDeleteNode (231)	<ul style="list-style-type: none"> • 1.1.0 • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised when an attempt to unmanage an NE fails.		
Raising condition: ('Site State' EQUAL 'unmanage failed')		
Clearing condition: ('Site State' NOT EQUAL 'unmanage failed')		
Remedial action: Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 20-110 unsupportedPortUsage

Alarm	Attributes	Applicable major NE releases
Name: unsupportedPortUsage (5184) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: warning Implicitly cleared: true Default probable cause: incompatiblePortUsage (2100)	<ul style="list-style-type: none"> • 1.1.0 • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised in case unsupported port type is configured		
Raising condition: (('portId' >= '1L') AND ('portId' <= '4L') AND ('specificCardType' EQUAL 'EASv2') AND (('Port Usage' EQUAL 'MPT-HC') OR ('Port Usage' EQUAL 'MPT-MC')))"		
Clearing condition: NOT (((('portId' >= '1L') AND ('portId' <= '4L') AND ('specificCardType' EQUAL 'EASv2') AND (('Port Usage' EQUAL 'MPT-HC') OR ('Port Usage' EQUAL 'MPT-MC')))))"		
Remedial action: This alarm indicates unsupported port usage. Port usage configured on the NE is not supported by SAM.		

Table 20-111 UpgradedBuildVersionMismatch

Alarm	Attributes	Applicable major NE releases
Name: UpgradedBuildVersionMismatch (174) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: upgradedImageNotBooted (137)	<ul style="list-style-type: none"> • 1.1.0 • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised when the software version that an NE reports after a software upgrade does not match the version of the software used for the upgrade.		
Raising condition: ('upgradedBuildVersionMismatch' EQUAL 'true')		
Clearing condition: ('upgradedBuildVersionMismatch' EQUAL 'false')		
Remedial action: Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 20-112 upgradedCardAlarm

Alarm	Attributes	Applicable major NE releases
Name: upgradedCardAlarm (255) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: upgradedCard (194)	<ul style="list-style-type: none"> • 1.1.0 • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised when the standby CPM is rebooted and operational after a software upgrade. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
Raising condition: ('operationalState' EQUAL 'Upgrade')		
Clearing condition: ('operationalState' EQUAL 'Up')		
Remedial action: Informational - no corrective action required.		

Table 20-113 VersionConfigRestoreFailed

Alarm	Attributes	Applicable major NE releases
Name: VersionConfigRestoreFailed (536) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: versionMismatch (405)	<ul style="list-style-type: none"> • 1.1.0 • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised when the restore procedure on an NE fails because of a mismatch between the backup file set version and the NE software version.		
Raising condition: ('lastNmsVersionRestoreState' EQUAL 'Failure')		
Clearing condition: ('lastNmsVersionRestoreState' EQUAL 'Success')		
Remedial action: The backup files being restored do not match with the version of node software release. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

Table 20-114 VlanPathInstanceDown

Alarm	Attributes	Applicable major NE releases
Name: VlanPathInstanceDown (748) Type: VlanPathInstanceAlarm (61) Package: mpr Raised on class: mpr.VlanPathInstance	Severity: major Implicitly cleared: true Default probable cause: vlanPathInstanceDown (524)	<ul style="list-style-type: none"> • 1.1.0 • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised when the Operational State of a VLAN path instance is Down, for example, because of one of the following conditions: - The radio link is down. - A cross connect is deleted. - The Operational State of one or more ports in the cross connect is Down.		
Raising condition: ('Operational State' NOT EQUAL 'Up')		
Clearing condition: ('Operational State' EQUAL 'Up')		
Remedial action: Ports and or links may be down. Please check the ports or links of the vlan path for root cause.		

Table 20-115 WrongCpaaSoftwareVersion

Alarm	Attributes	Applicable major NE releases
Name: WrongCpaaSoftwareVersion (791) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: wrongCpaaSoftwareVersion (559)	<ul style="list-style-type: none"> • 1.1.0 • 3.0.0 • 3.1.0 • 3.2.0 • 3.3.0 • 3.4.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0 • 5.1.0
Description: The alarm is raised when the 7701 CPAA software is the wrong version and requires an upgrade.		
Raising condition: (('Software Version' EQUAL '"TiMOS-B-3.0.Generic "') AND ('Chassis Type' EQUAL '7701 CPAA'))		
Clearing condition: (('Software Version' NOT EQUAL '"TiMOS-B-3.0.Generic "') AND ('Chassis Type' EQUAL '7701 CPAA'))		
Remedial action: The SW version of the CPAA must be upgraded to the version compatible with CPAM version.		

21 — Alcatel-Lucent 9500 MPRe alarms



Note — Some alarms that the 5620 SAM can raise against this device may not be listed in this chapter. Associating alarms with specific NE types is an ongoing Alcatel-Lucent effort. If the 5620 SAM raises an alarm against this device type, and the alarm is not described in this chapter, see chapter 35 for information about the alarm.

Table 21-1 ActiveAbnormalCondition

Alarm	Attributes	Applicable major NE releases
Name: ActiveAbnormalCondition (3938) Type: activeAbnormalConditionAlarm (116) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ActiveAbnormalConditionState (1520)	<ul style="list-style-type: none"> • 3.3.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0
Description: The alarm is an indication for abnormal condition on NE.		
Raising condition: ('abnormalCondition' EQUAL 'true')		
Clearing condition: ('abnormalCondition' EQUAL 'false')		
Remedial action: This alarm is raised when there is a abnormal state indication on NE.		

Table 21-2 AGWDiameterPeerDown

Alarm	Attributes	Applicable major NE releases
Name: AGWDiameterPeerDown (844) Type: EpcAlarm (59) Package: lte Raised on class: lte.AGWDiameterPeer	Severity: variable Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> • 3.3.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0
Description: The alarm is raised when the path management state of a Diameter peer changes to a state other than Up.		
Raising condition: ('Path Diameter Management State' NOT EQUAL 'Active')		
Clearing condition: ('Path Diameter Management State' EQUAL 'Active')		
Remedial action: A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

Table 21-3 AuxiliaryServerStatus

Alarm	Attributes	Applicable major NE releases
Name: AuxiliaryServerStatus (311) Type: communicationsAlarm (4) Package: server Raised on class: server.AuxiliaryServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> • 3.3.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0
Description: The alarm is raised when a 5620 SAM main server cannot communicate with an auxiliary server. The alarm clears when communication is restored.		
Raising condition: ('Server Status' EQUAL 'Down')		
Clearing condition: ('Server Status' EQUAL 'Up')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the AUX and SAM servers is unreliable.		

Table 21-4 BootableConfigBackupFailed

Alarm	Attributes	Applicable major NE releases
Name: BootableConfigBackupFailed (103) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> • 3.3.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0
Description: The alarm is raised when the 5620 SAM fails to back up a set of NE configuration files.		
Raising condition: ('Backup State' EQUAL 'Failure')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: ('Backup State' EQUAL 'Success')		
Remedial action: Investigation is required to resolve the following possible scenarios: insufficient disk space is available to accommodate the NE configuration files (additional SAM platform alarms will accompany this alarm); the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

(2 of 2)

Table 21-5 BootableConfigRestoreFailed

Alarm	Attributes	Applicable major NE releases
Name: BootableConfigRestoreFailed (104) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> • 3.3.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0
Description: The alarm is raised when the 5620 SAM fails to restore a set of NE configuration files.		
Raising condition: ('Restore State' EQUAL 'Failure')		
Clearing condition: ('Restore State' EQUAL 'Success')		
Remedial action: Investigation is required to resolve the following possible scenarios: the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

Table 21-6 BootParametersMisconfigured

Alarm	Attributes	Applicable major NE releases
Name: BootParametersMisconfigured (35) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: persistentIndexFailure (30) Applicable probable causes: <ul style="list-style-type: none"> • persistentIndexFailure • configFileBootFailure 	<ul style="list-style-type: none"> • 3.3.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0
Description: The alarm is raised when the SNMP Index Boot Status on an NE is not set to Persistent.		
Raising condition: (('isGenericNode' EQUAL 'false') AND ('State' NOT EQUAL 'Pre-provisioned') AND (('Config File Status' NOT EQUAL 'Executed Successfully') OR ('Persistent Index Status' NOT EQUAL 'Rebuild Succeeded')))		
Clearing condition: (('Config File Status' EQUAL 'Executed Successfully') AND ('Persistent Index Status' EQUAL 'Rebuild Succeeded'))		
Remedial action: Ensure that "SNMP Index Boot Status" is persistent (using cli command "show system information" on the NE). If not, unmanage the network element from SAM, ensure that "persist on" is set in the bof file, save the bof, save a config file, verify that an index file (.ndx) is saved as well, reboot the router, verify that SNMP Index Boot Status is persistent and finally remanage the router from SAM.		

Table 21-7 ClientDelegateServerStatus

Alarm	Attributes	Applicable major NE releases
Name: ClientDelegateServerStatus (731) Type: communicationsAlarm (4) Package: server Raised on class: server.ClientDelegateServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> • 3.3.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0
Description: The alarm is raised when a client delegate server is unreachable.		
Raising condition: ('Server Status' EQUAL 'Down')		
Clearing condition: ('Server Status' EQUAL 'Up')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the client delegate platform and SAM servers is unreliable or the client delegate server itself is unreliable.		

Table 21-8 ContainingEquipmentAdministrativelyDown

Alarm	Attributes	Applicable major NE releases
Name: ContainingEquipmentAdministrativelyDown (466) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: minor Implicitly cleared: true Default probable cause: containingEquipmentAdministrativelyDown (330)	<ul style="list-style-type: none"> • 3.3.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0
Description: The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentAdministrativelyDown.		
Raising condition: (('Status' EQUAL 'Parent Admin Down') AND ('isTerminatable' EQUAL 'true'))		
Clearing condition: (('Status' NOT EQUAL 'Parent Admin Down') OR ('isTerminatable' NOT EQUAL 'true'))		
Remedial action: Informational - no corrective action required.		

Table 21-9 ContainingEquipmentMismatch

Alarm	Attributes	Applicable major NE releases
Name: ContainingEquipmentMismatch (464) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentMismatch (328)	<ul style="list-style-type: none"> • 3.3.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0
Description: The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentMismatch.		
Raising condition: (('Status' EQUAL 'Parent Type Mismatch') AND ('isTerminatable' EQUAL 'true'))		
Clearing condition: (('Status' NOT EQUAL 'Parent Type Mismatch') OR ('isTerminatable' NOT EQUAL 'true'))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

(2 of 2)

Table 21-10 ContainingEquipmentOperationallyDown

Alarm	Attributes	Applicable major NE releases
Name: ContainingEquipmentOperationallyDown (465) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentDown (329)	<ul style="list-style-type: none"> • 3.3.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0
Description: The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentOperationallyDown.		
Raising condition: (('Status' EQUAL 'Parent Oper Down') AND ('isTerminatable' EQUAL 'true'))		
Clearing condition: (('Status' NOT EQUAL 'Parent Oper Down') OR ('isTerminatable' NOT EQUAL 'true'))		
Remedial action: The operational state of the equipment element indicated in the alarm is down. This may be due to the element's administrative state or it may indicate that the element has failed.		

Table 21-11 CorruptImageFile

Alarm	Attributes	Applicable major NE releases
Name: CorruptImageFile (171) Type: configurationAlarm (11) Package: mediation Raised on class: mediation.AbstractSoftwareFolderDescriptor	Severity: critical Implicitly cleared: true Default probable cause: invalidOrCorruptImageFile (134)	<ul style="list-style-type: none"> • 3.3.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0
Description: The alarm is raised when one or more files in the 5620 SAM software image specified for a device software upgrade is invalid, corrupt or absent. The 5620 SAM validates a device software file set before it imports the file set and distributes it to an NE. Ensure that the file set downloads properly to the NE and is not tampered with before you re-attempt the upgrade. The alarm clears when a valid file set is on the NE and the 5620 SAM activates the software image in the file set.		
Raising condition: ('isImageValid' EQUAL 'false')		
Clearing condition: ('isImageValid' EQUAL 'true')		
Remedial action: The existing SW image in the SAM database should be replaced with an image that is known to be complete and valid.		

Table 21-12 downgradedCardAlarm

Alarm	Attributes	Applicable major NE releases
Name: downgradedCardAlarm (256) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: downgradedCard (195)	<ul style="list-style-type: none"> • 3.3.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0
Description: The alarm is raised when an IOM is not upgraded or reset after a device software upgrade of both CPMs. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
Raising condition: ('operationalState' EQUAL 'Downgrade')		
Clearing condition: ('operationalState' EQUAL 'Up')		
Remedial action: Informational - no corrective action required.		

Table 21-13 EquipmentAdministrativelyDown

Alarm	Attributes	Applicable major NE releases
Name: EquipmentAdministrativelyDown (455) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: minor Implicitly cleared: true Default probable cause: equipmentAdministrativelyDown (326)	<ul style="list-style-type: none"> • 3.3.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentAdministrativelyDown.		
Raising condition: ('compositeEquipmentState' EQUAL 'Admin Down')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Admin Down')		
Remedial action: Informational - no corrective action required.		

Table 21-14 EquipmentDown

Alarm	Attributes	Applicable major NE releases
Name: EquipmentDown (10) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: inoperableEquipment (8)	<ul style="list-style-type: none"> • 3.3.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentOperationallyDown.		
Raising condition: ('compositeEquipmentState' EQUAL 'Oper Down')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Oper Down')		
Remedial action: This alarm indicates that a card in the NE has failed. The card must be replaced.		

Table 21-15 EquipmentFailure

Alarm	Attributes	Applicable major NE releases
Name: EquipmentFailure (145) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.ReplaceableUnit	Severity: critical Implicitly cleared: true Default probable cause: cardFailure (123)	<ul style="list-style-type: none"> • 3.3.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0
Description: The alarm is raised when a control processor or power-supply tray reports a failure. When the object type is ControlProcessor, a CPM may be unable to boot. When the object type is Power Supply Tray and the alarm is raised during device discovery, a power-supply tray may be out of service. When the object type is a Power Supply Tray and the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
Raising condition: ('operationalState' EQUAL 'Failed')		
Clearing condition: ('operationalState' NOT EQUAL 'Failed')		
Remedial action: If the alarm indicates that the CPM card has a fault, remove the card and reset it. If this does not clear the alarm then please contact Alcatel-Lucent support for assistance. If the alarm indicates that the Power Supply tray is out of service ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 21-16 EquipmentInTest

Alarm	Attributes	Applicable major NE releases
Name: EquipmentInTest (11) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: warning Implicitly cleared: true Default probable cause: equipmentInTest (9)	<ul style="list-style-type: none"> • 3.3.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0
Description: The alarm is raised when equipment enters a diagnostic state.		
Raising condition: ('compositeEquipmentState' EQUAL 'In Test')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'In Test')		
Remedial action: Informational - no corrective action required.		

Table 21-17 EquipmentMismatch

Alarm	Attributes	Applicable major NE releases
Name: EquipmentMismatch (9) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: equipmentTypeMismatch (7)	<ul style="list-style-type: none"> • 3.3.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMismatch.		
Raising condition: ('compositeEquipmentState' EQUAL 'Type Mismatch')		

(1 of 2)

21 – Alcatel-Lucent 9500 MPre alarms

Alarm	Attributes	Applicable major NE releases
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Type Mismatch')		
Remedial action: A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

(2 of 2)

Table 21-18 EquipmentRemoved

Alarm	Attributes	Applicable major NE releases
Name: EquipmentRemoved (8) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: replaceableEquipmentRemoved (6)	<ul style="list-style-type: none"> • 3.3.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMissing.		
Raising condition: (('compositeEquipmentState' EQUAL 'Removed') AND ('isEquipmentInserted' EQUAL 'true'))		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Removed')		
Remedial action: Informational - this alarm is raised when a card is removed.		

Table 21-19 FrameSizeProblem (netw)

Alarm	Attributes	Applicable major NE releases
Name: FrameSizeProblem (37) Type: configurationAlarm (11) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: frameSizeProblem (33)	<ul style="list-style-type: none"> • 3.3.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0
Description: The alarm is raised when a provisioned MTU size value is greater than the supported MTU size value.		
Raising condition: (('mtuMismatch' EQUAL 'true') AND ('portId' NOT EQUAL '0L'))		
Clearing condition: (('mtuMismatch' EQUAL 'false') OR ('portId' EQUAL '0L'))		
Remedial action: A configuration error has been made which must be corrected. The MTU value must be changed such that is less than or equal to the supported MTU size value.		

Table 21-20 GaPeerDown

Alarm	Attributes	Applicable major NE releases
Name: GaPeerDown (3303) Type: EpcAlarm (59) Package: Iteggns Raised on class: Iteggns.GaPeer	Severity: major Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> • 3.3.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0
Description: The alarm is raised when the path management state of a Ga peer changes to a state other than Up.		
Raising condition: ('Path Management State' NOT EQUAL 'Active')		
Clearing condition: ('Path Management State' EQUAL 'Active')		
Remedial action: A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

Table 21-21 IncompleteConfiguration

Alarm	Attributes	Applicable major NE releases
Name: IncompleteConfiguration (1942) Type: operationalViolation (93) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: incompleteConfig (225)	<ul style="list-style-type: none"> • 3.3.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0
Description: The alarm is raised when a pre-provisioned NE has no objects configured beneath it.		
Raising condition: (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' EQUAL '\\"'))		
Clearing condition: (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' NOT EQUAL '\\"'))		
Remedial action: A configuration error has been made which must be corrected. The configuration of the pre-provisioned NE is incomplete. A work order was not associated with the pre-provisioned NE and as a consequence the attempt to auto-configure the NE failed.		

Table 21-22 LagPortAddFailed

Alarm	Attributes	Applicable major NE releases
Name: LagPortAddFailed (422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: warning Implicitly cleared: true Default probable cause: linkDown (315)	<ul style="list-style-type: none"> • 3.3.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0
Description: The alarm is raised when the Lag Port Add function Fails.		
Raising condition: (('state' EQUAL 'Link Down') AND ('LAG ID' > '0'))		

(1 of 2)

21 – Alcatel-Lucent 9500 MPre alarms

Alarm	Attributes	Applicable major NE releases
Clearing condition: (('state' NOT EQUAL 'Link Down') OR ('LAG ID' EQUAL '0'))		
Remedial action: A configuration error has occurred which must be corrected. The link that was to be added to the LAG group may be of the wrong type (i.e. non ethernet) or the limit of the number of links supported in a LAG may have been reached.		

(2 of 2)

Table 21-23 LicensedLimitExceeded

Alarm	Attributes	Applicable major NE releases
Name: LicensedLimitExceeded (127) Type: licensingAlarm (23) Package: security Raised on class: security.ProductLicense	Severity: critical Implicitly cleared: true Default probable cause: licensedLimitExceeded (106)	<ul style="list-style-type: none"> • 3.3.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0
Description: The alarm is raised when the license items in the network exceeds 100 percent of the license capacity.		
Raising condition: ('Exceeded' EQUAL 'true')		
Clearing condition: ('Exceeded' NOT EQUAL 'true')		
Remedial action: Informational - The number of SAM licenses purchased and available on the SAM server is insufficient as compared to the number of NEs/MDA/Cells under management in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

Table 21-24 LinkDown

Alarm	Attributes	Applicable major NE releases
Name: LinkDown (12) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: portLinkProblem (10)	<ul style="list-style-type: none"> • 3.3.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0
Description: The alarm is raised when a port has no associated physical link or remote end point is operationally down.		
Raising condition: (('compositeEquipmentState' EQUAL 'Link Down') OR ('compositeEquipmentState' EQUAL 'Oper Down'))		
Clearing condition: (('compositeEquipmentState' NOT EQUAL 'Link Down') AND ('compositeEquipmentState' NOT EQUAL 'Oper Down'))		
Remedial action: Please make sure that port has physical link and remote end point is operationally up.		

Table 21-25 LowTemperatureDetected

Alarm	Attributes	Applicable major NE releases
Name: LowTemperatureDetected (1127) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOvercooled (838)	<ul style="list-style-type: none"> • 3.3.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0
Description: The alarm is raised when the chassis temperature falls below the minimum threshold.		
Raising condition: ('Low Temperature State' EQUAL 'Low')		
Clearing condition: ('Low Temperature State' NOT EQUAL 'Low')		
Remedial action: The NE has detected internal temperatures which are abnormally low. This may happen when the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 21-26 MobileConnectorDown

Alarm	Attributes	Applicable major NE releases
Name: MobileConnectorDown (1064) Type: EpcAlarm (59) Package: Iteservice Raised on class: Iteservice.MobileServiceConnector	Severity: minor Implicitly cleared: true Default probable cause: EpcDown (519)	<ul style="list-style-type: none"> • 3.3.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0
Description: The alarm is raised when the 5620 SAM no longer manages the EPS path instance of this mobile service site. As a result, the service must be regenerated.		
Raising condition: ('EPS Path' EQUAL '\')		
Clearing condition: ('EPS Path' NOT EQUAL '\')		
Remedial action: The underlying transport network has gone down resulting in the deletion of a mobile service connector (EPS path). Correct the issue with the transport network and regenerate the mobile service connector by clicking on the re-calculate button on the mobile service properties form.		

Table 21-27 MvrSiteDown

Alarm	Attributes	Applicable major NE releases
Name: MvrSiteDown (162) Type: ProtocolAlarm (1) Package: layer2 Raised on class: layer2.MvrSite	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 3.3.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0
Description: The alarm is raised when MVR is disabled on an NE and a TLS VLAN or MVR VLAN service is provisioned on the NE.		
Raising condition: ('MVR Admin Status' EQUAL 'Disabled')		
Clearing condition: ('MVR Admin Status' EQUAL 'Enabled')		

(1 of 2)

21 – Alcatel-Lucent 9500 MPre alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: To clear the alarm, enable MVR Admin Status under the Bridge Instance.		

(2 of 2)

Table 21-28 NeManagementAndTrapManagementMismatch

Alarm	Attributes	Applicable major NE releases
Name: NeManagementAndTrapManagementMismatch (1079) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: neManagementChange (817)	<ul style="list-style-type: none"> • 3.3.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0
Description: This user-defined alarm is raised when the NE configuration is one of the following: - The Active Management IP is set to Out Of Band, and the Primary Route Preference is set to In Band. - The Active Management IP is set to In Band, and the Primary Route Preference is set to Out of Band.		
Raising condition: (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only')) AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only')) AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'Out Of Band'))))		
Clearing condition: (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only')) AND ('Primary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only')) AND ('Primary Route Preference' EQUAL 'Out Of Band'))))		
Remedial action: A configuration error has been made which must be corrected. The parameters described in the description for this alarm must match.		

Table 21-29 NewSsh2ServerKeyDetected

Alarm	Attributes	Applicable major NE releases
Name: NewSsh2ServerKeyDetected (285) Type: communicationsAlarm (4) Package: security Raised on class: security.KnownHostKey	Severity: warning Implicitly cleared: true Default probable cause: ssh2ServerKeyMismatch (217)	<ul style="list-style-type: none"> • 3.3.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0
Description: The alarm is raised when a 5620 SAM main server detects a new public SSH key.		
Raising condition: ('SSH2 Server Key Status' EQUAL 'Mismatch SSH2 Host Key')		
Clearing condition: ('SSH2 Server Key Status' EQUAL 'Active SSH2 Host Key')		
Remedial action: Informational - possible security breach. The SSH key of the router is different from the one known to the SAM server.		

Table 21-30 NodeDatabaseFallbackDetected

Alarm	Attributes	Applicable major NE releases
Name: NodeDatabaseFallbackDetected (2923) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseFallback (1121)	<ul style="list-style-type: none"> • 3.3.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0
Description: The alarm is raised when a configuration fallback is detected on the node and comes back up with a previous configuration. To correct this situation it might be necessary to reconfigure the node, or perform full resync its database with the 'fallback' configuration returned by the node.		
Raising condition: ('State' EQUAL 'Node Configuration Fallback')		
Clearing condition: ('State' EQUAL 'Managed')		
Remedial action: the NE has come back to a previous configuration. Perform a manual Full Resync or a Reconfigure of the NE		

Table 21-31 NodeDatabaseMisalignmentDetected

Alarm	Attributes	Applicable major NE releases
Name: NodeDatabaseMisalignmentDetected (2924) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseMisalignment (1122)	<ul style="list-style-type: none"> • 3.3.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0
Description: The alarm is raised when a configuration misalignment has been detected on the node and comes back up with an unexpected configuration (configuration change triggered by external tool) To correct this situation it might be necessary to reconfigure the node with the 5620 SAM's old configuration or accept the new configuration received from the node.		
Raising condition: ('State' EQUAL 'Node Configuration Misalignment')		
Clearing condition: ('State' EQUAL 'Managed')		
Remedial action: the NE configuration is misaligned. Perform a resync in order to update SAM configuration according to the NE.		

Table 21-32 NodeSuspended

Alarm	Attributes	Applicable major NE releases
Name: NodeSuspended (5123) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: NodeSuspend (2057)	<ul style="list-style-type: none"> • 3.3.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0
Description: The alarm is raised when the 5620 SAM detects an NE moved to suspend state as per user request.		
Raising condition: ('SNMP Reachability' EQUAL 'Suspended')		
Clearing condition: ('SNMP Reachability' NOT EQUAL 'Suspended')		

(1 of 2)

21 – Alcatel-Lucent 9500 MPre alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: This alarm is raised when user suspends the network element. The alarm will be cleared when the network element is managed back.		

(2 of 2)

Table 21-33 OrphanNodeDetected

Alarm	Attributes	Applicable major NE releases
Name: OrphanNodeDetected (4866) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.AdvertisedNode	Severity: major Implicitly cleared: true Default probable cause: nodeNotMangedByAnyEms (1934)	<ul style="list-style-type: none"> • 3.3.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0
Description: The alarm is raised when node is node managed by any EMS after n retries(threshold crossed) it is manually cleared by the operator or when the node is discovered.		
Raising condition: ('state' EQUAL 'orphan')		
Remedial action: The NE is not managed by any SAM. Add an discory rule in order to managed it.		

Table 21-34 OverTemperatureDetected

Alarm	Attributes	Applicable major NE releases
Name: OverTemperatureDetected (388) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> • 3.3.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0
Description: The alarm is raised when the chassis temperature exceeds the maximum threshold value.		
Raising condition: ('Over Temperature State' EQUAL 'Over')		
Clearing condition: ('Over Temperature State' NOT EQUAL 'Over')		
Remedial action: The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 21-35 PartialResyncProblem

Alarm	Attributes	Applicable major NE releases
Name: PartialResyncProblem (4401) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: partialResyncProblem (1578)	<ul style="list-style-type: none"> • 3.3.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0
Description: The alarm is raised when an Partial Resync on an NE fails. For example, when resyncing only some MIB entries as opposed to a full resync. The periodic reachability test (sysUpTime) is not considered a partial resync, neither is a full resync. However, a PartialResyncProblem alarm can only be reset by a FullResync.		
Raising condition: ('partialResyncStatus' EQUAL 'Partial Resync Failed')		
Clearing condition: ('partialResyncStatus' EQUAL 'Partial Resync Done')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE.		

Table 21-36 PersistentIndexParametersMisconfigured

Alarm	Attributes	Applicable major NE releases
Name: PersistentIndexParametersMisconfigured (173) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: persistentIndexConfigurationMismatch (136)	<ul style="list-style-type: none"> • 3.3.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0
Description: The alarm is raised when persistence is set to Off in the NE BOF.		
Raising condition: (('Persistent SNMP Indices' EQUAL 'False') OR (('hasRedundantProcessorCards' EQUAL 'true') AND ('Redundant Synchronization Mode' EQUAL 'None')))		
Clearing condition: (('Persistent SNMP Indices' EQUAL 'True') AND (('hasRedundantProcessorCards' EQUAL 'false') OR ('Redundant Synchronization Mode' NOT EQUAL 'None')))		
Remedial action: A configuration error has occurred that must be corrected. Use the CLI on the NE to enable persistency in the BOF. The discovery process will complete on the next discovery scan. A re-scan can be triggered immediately for the NE from within the discovery manager		

Table 21-37 PollerProblem

Alarm	Attributes	Applicable major NE releases
Name: PollerProblem (31) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: resyncFailed (24)	<ul style="list-style-type: none"> • 3.3.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0

(1 of 2)

21 – Alcatel-Lucent 9500 MPre alarms

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
Raising condition: ('Resync Status' EQUAL 'Full Resync Failed')		
Clearing condition: ('Resync Status' EQUAL 'Full Resync Done')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

(2 of 2)

Table 21-38 PrimaryImageBootFailure

Alarm	Attributes	Applicable major NE releases
Name: PrimaryImageBootFailure (191) Type: configurationAlarm (11) Package: sw Raised on class: sw.CardSoftware	Severity: warning Implicitly cleared: true Default probable cause: bootOptionFileMisconfigured (150)	<ul style="list-style-type: none"> • 3.3.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0
Description: The alarm is raised when the primary software image specified in an NE BOF is unusable.		
Raising condition: (('imageSource' NOT EQUAL 'Primary') AND ('imageSource' NOT EQUAL 'Unknown'))		
Clearing condition: (('imageSource' EQUAL 'Primary') OR ('imageSource' EQUAL 'Unknown'))		
Remedial action: The SW image on the NE may have been inadvertently corrupted. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

Table 21-39 RadiusOperStatusDown

Alarm	Attributes	Applicable major NE releases
Name: RadiusOperStatusDown (3692) Type: radiusOperStatusDownAlarm (105) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: radiusOperationStatusDown (1431)	<ul style="list-style-type: none"> • 3.3.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0
Description: The alarm is raised when all RADIUS servers have gone down.		
Raising condition: ('Global RADIUS Operational State' EQUAL 'Down')		
Clearing condition: ('Global RADIUS Operational State' EQUAL 'Up')		
Remedial action: Verify the RADIUS server is properly configured and radius server state is up. Check the connectivity between SAM server and radius server configured on the Network element.		

Table 21-40 ReachabilityProblem

Alarm	Attributes	Applicable major NE releases
Name: ReachabilityProblem (243) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ReachabilityTestFailed (176)	<ul style="list-style-type: none"> • 3.3.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0
Description: The alarm is raised when an Mediation poll of the SysUpTimeAlarm object on an NE fails, for example, because of network congestion or because the NE is too busy to respond. The probable cause is an unreachable NE Mediation agent on the NE. By default, the 5620 SAM polls a managed NE every two minutes. If a poll fails, the alarm is raised. The 5620 SAM polls the NE two minutes after the first failure. If successive polls fail, the 5620 SAM raises the polling interval for the NE by two minutes after each failure to a maximum of 12 min. The polling interval remains at 12 min until the 5620 SAM receives a response from the NE. The alarm clears when the 5620 SAM receives a response from the NE, and the 5620 SAM GUI icon that represents the NE turns from red to green.		
Raising condition: ('SNMP Reachability' EQUAL 'Down')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 21-41 ReconfigFailure

Alarm	Attributes	Applicable major NE releases
Name: ReconfigFailure (1949) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: failedReconfig (937)	<ul style="list-style-type: none"> • 3.3.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0
Description: This alarm is raised when the reconfig action failed.		
Raising condition: ('State' EQUAL 'Failed')		
Clearing condition: ('State' NOT EQUAL 'Failed')		
Remedial action: Verify that the object is configured as expected.		

Table 21-42 SaveConfigFailed

Alarm	Attributes	Applicable major NE releases
Name: SaveConfigFailed (105) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileAccessError (90)	<ul style="list-style-type: none"> • 3.3.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0
Description: The alarm is raised when the admin save command on an NE fails.		

(1 of 2)

21 – Alcatel-Lucent 9500 MPre alarms

Alarm	Attributes	Applicable major NE releases
Raising condition: ('Config Save State' EQUAL 'Failure')		
Clearing condition: ('Config Save State' EQUAL 'Success')		
Remedial action: Attempt the admin save command a second time. If the problem persists please contact Alcatel-Lucent support for assistance.		

(2 of 2)

Table 21-43 ScheduledPollerProblem

Alarm	Attributes	Applicable major NE releases
Name: ScheduledPollerProblem (4386) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: scheduledResyncFailed (1569)	<ul style="list-style-type: none"> • 3.3.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0
Description: The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
Raising condition: ('Scheduled Resync Status' EQUAL 'Scheduled Resync Failed')		
Clearing condition: ('Scheduled Resync Status' EQUAL 'Scheduled Resync Done')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 21-44 StatsRetrieveFailed

Alarm	Attributes	Applicable major NE releases
Name: StatsRetrieveFailed (244) Type: configurationAlarm (11) Package: sw Raised on class: sw.AccountingStatsRetrievalManager	Severity: major Implicitly cleared: false Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> • 3.3.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0
Description: The alarm is raised when the 5620 SAM main or auxiliary server cannot transfer an accounting file from an NE.		
Raising condition: (('Stats Retrieval State' NOT EQUAL 'Success') AND ('Stats Retrieval State' NOT EQUAL 'Not Attempted'))		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy or otherwise cannot respond to the 5620 SAM main or auxiliary server.		

Table 21-45 SubscriberSystemNextHopUsageHigh

Alarm	Attributes	Applicable major NE releases
Name: SubscriberSystemNextHopUsageHigh (5157) Type: thresholdCrossed (6) Package: netw Raised on class: netw.NetworkElement	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> • 3.3.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0
Description: The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit.		
Raising condition: ('IP Next Hop Usage High' EQUAL 'true')		
Clearing condition: ('IP Next Hop Usage High' EQUAL 'false')		
Remedial action: The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit. There is no immediate effect, but when the usage actually hits the limit, new hosts will not get their managed routes.		

Table 21-46 TrapDestinationMisconfigured

Alarm	Attributes	Applicable major NE releases
Name: TrapDestinationMisconfigured (33) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: trapDestinationMisconfigured (26) Applicable probable causes: <ul style="list-style-type: none"> • trapDestinationMisconfigured • duplicateTrapLogId 	<ul style="list-style-type: none"> • 3.3.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0
Description: The alarm is raised when the 5620 SAM cannot be added to the NE's SNMP trap destinations.		
Raising condition: ('isTrapDestinationMisconfigured' EQUAL 'true')		
Clearing condition: ('isTrapDestinationMisconfigured' EQUAL 'false')		
Remedial action: A configuration error has been made which must be corrected. The SNMP trap destination on the NE must be configured to the IP address of the SAM server.		

Table 21-47 TrapReceivingFailure

Alarm	Attributes	Applicable major NE releases
Name: TrapReceivingFailure (1083) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: false Default probable cause: trapsWillNotBeSent (822)	<ul style="list-style-type: none"> • 3.3.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0

(1 of 2)

21 – Alcatel-Lucent 9500 MPre alarms

Alarm	Attributes	Applicable major NE releases
Description: This user-defined alarm is raised when the NE is unable to send traps because the NE configuration is one of the following: <ul style="list-style-type: none"> - The Management IP Selection is set to Out Of Band Only, the Primary Route Preference is set to In Band, and the Secondary Route Preference is set to None. - The Management IP Selection is set to In Band Only, the Primary Route Preference is set to Out Of Band, and the Secondary Route Preference is set to None. 		
Raising condition: (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
Clearing condition: (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND (('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND (('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND (('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND (('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND (('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND (('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band'))))		
Remedial action: A configuration error has been made which must be corrected. The configuration error must be corrected per the discussion in the description for this alarm.		

(2 of 2)

Table 21-48 TrapRoutePreferenceRedundancyMissing

Alarm	Attributes	Applicable major NE releases
Name: TrapRoutePreferenceRedundancyMissing (1084) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: trapsRedundancyMissing (823)	<ul style="list-style-type: none"> 3.3.0 4.0.0 4.1.0 4.2.0 5.0.0
Description: The user-defined alarm is raised when NE management redundancy is configured without trap route preference redundancy.		
Raising condition: (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
Clearing condition: (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Secondary Route Preference' NOT EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Secondary Route Preference' NOT EQUAL 'None'))))		
Remedial action: A configuration error has been made which must be corrected. The IP address of the standby SAM server must be configured on the NE in question.		

Table 21-49 UnidentifiedNode

Alarm	Attributes	Applicable major NE releases
Name: UnidentifiedNode (1922) Type: communicationsAlarm (4) Package: netw Raised on class: netw.DiscoveredNode	Severity: major Implicitly cleared: true Default probable cause: unidentifiedNode (922)	<ul style="list-style-type: none"> • 3.3.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0
Description: The alarm is raised when the node being discovered can not be properly identified.		
Raising condition: ('State' EQUAL 'Pending Identification')		
Clearing condition: ('State' NOT EQUAL 'Pending Identification')		
Remedial action: A configuration error has occurred that must be corrected. The eNodeB does not have a system name. The name can be configured by selecting the alarm, opening the associated properties form for the alarmed object and configuring the system name.		

Table 21-50 UnmanageFailed

Alarm	Attributes	Applicable major NE releases
Name: UnmanageFailed (300) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.NodeDiscoveryControl	Severity: warning Implicitly cleared: true Default probable cause: unableToDeleteNode (231)	<ul style="list-style-type: none"> • 3.3.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0
Description: The alarm is raised when an attempt to unmanage an NE fails.		
Raising condition: ('Site State' EQUAL 'unmanage failed')		
Clearing condition: ('Site State' NOT EQUAL 'unmanage failed')		
Remedial action: Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 21-51 unsupportedPortUsage

Alarm	Attributes	Applicable major NE releases
Name: unsupportedPortUsage (5184) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: warning Implicitly cleared: true Default probable cause: incompatiblePortUsage (2100)	<ul style="list-style-type: none"> • 3.3.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0
Description: The alarm is raised in case unsupported port type is configured		
Raising condition: (('portId' >= '1L') AND ('portId' <= '4L') AND ('specificCardType' EQUAL 'EASv2') AND (('Port Usage' EQUAL 'MPT-HC') OR ('Port Usage' EQUAL 'MPT-MC')))"		
Clearing condition: NOT (((('portId' >= '1L') AND ('portId' <= '4L') AND ('specificCardType' EQUAL 'EASv2') AND (('Port Usage' EQUAL 'MPT-HC') OR ('Port Usage' EQUAL 'MPT-MC')))))"		

(1 of 2)

21 – Alcatel-Lucent 9500 MPre alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: This alarm indicates unsupported port usage. Port usage configured on the NE is not supported by SAM.		

(2 of 2)

Table 21-52 UpgradedBuildVersionMismatch

Alarm	Attributes	Applicable major NE releases
Name: UpgradedBuildVersionMismatch (174) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: upgradedImageNotBooted (137)	<ul style="list-style-type: none"> • 3.3.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0
Description: The alarm is raised when the software version that an NE reports after a software upgrade does not match the version of the software used for the upgrade.		
Raising condition: ('upgradedBuildVersionMismatch' EQUAL 'true')		
Clearing condition: ('upgradedBuildVersionMismatch' EQUAL 'false')		
Remedial action: Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 21-53 upgradedCardAlarm

Alarm	Attributes	Applicable major NE releases
Name: upgradedCardAlarm (255) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: upgradedCard (194)	<ul style="list-style-type: none"> • 3.3.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0
Description: The alarm is raised when the standby CPM is rebooted and operational after a software upgrade. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
Raising condition: ('operationalState' EQUAL 'Upgrade')		
Clearing condition: ('operationalState' EQUAL 'Up')		
Remedial action: Informational - no corrective action required.		

Table 21-54 VersionConfigRestoreFailed

Alarm	Attributes	Applicable major NE releases
Name: VersionConfigRestoreFailed (536) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: versionMismatch (405)	<ul style="list-style-type: none"> • 3.3.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0
Description: The alarm is raised when the restore procedure on an NE fails because of a mismatch between the backup file set version and the NE software version.		
Raising condition: ('lastNmsVersionRestoreState' EQUAL 'Failure')		
Clearing condition: ('lastNmsVersionRestoreState' EQUAL 'Success')		
Remedial action: The backup files being restored do not match with the version of node software release. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

Table 21-55 WrongCpaaSoftwareVersion

Alarm	Attributes	Applicable major NE releases
Name: WrongCpaaSoftwareVersion (791) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: wrongCpaaSoftwareVersion (559)	<ul style="list-style-type: none"> • 3.3.0 • 4.0.0 • 4.1.0 • 4.2.0 • 5.0.0
Description: The alarm is raised when the 7701 CPAA software is the wrong version and requires an upgrade.		
Raising condition: (('Software Version' EQUAL "\"TIMOS-B-3.0.Generic \") AND ('Chassis Type' EQUAL '7701 CPAA'))		
Clearing condition: (('Software Version' NOT EQUAL "\"TIMOS-B-3.0.Generic \") AND ('Chassis Type' EQUAL '7701 CPAA'))		
Remedial action: The SW version of the CPAA must be upgraded to the version compatible with CPAM version.		

22 — Alcatel-Lucent 9xxx eNodeB alarms



Note — Some alarms that the 5620 SAM can raise against this device may not be listed in this chapter. Associating alarms with specific NE types is an ongoing Alcatel-Lucent effort. If the 5620 SAM raises an alarm against this device type, and the alarm is not described in this chapter, see chapter 35 for information about the alarm.

Table 22-1 ActiveAbnormalCondition

Alarm	Attributes	Applicable major NE releases
Name: ActiveAbnormalCondition (3938) Type: activeAbnormalConditionAlarm (116) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ActiveAbnormalConditionState (1520)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: The alarm is an indication for abnormal condition on NE.		
Raising condition: ('abnormalCondition' EQUAL 'true')		
Clearing condition: ('abnormalCondition' EQUAL 'false')		
Remedial action: This alarm is raised when there is a abnormal state indication on NE.		

Table 22-2 AGWDiameterPeerDown

Alarm	Attributes	Applicable major NE releases
Name: AGWDiameterPeerDown (844) Type: EpcAlarm (59) Package: lte Raised on class: lte.AGWDiameterPeer	Severity: variable Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: The alarm is raised when the path management state of a Diameter peer changes to a state other than Up.		
Raising condition: ('Path Diameter Management State' NOT EQUAL 'Active')		
Clearing condition: ('Path Diameter Management State' EQUAL 'Active')		
Remedial action: A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

Table 22-3 AuxiliaryServerStatus

Alarm	Attributes	Applicable major NE releases
Name: AuxiliaryServerStatus (311) Type: communicationsAlarm (4) Package: server Raised on class: server.AuxiliaryServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: The alarm is raised when a 5620 SAM main server cannot communicate with an auxiliary server. The alarm clears when communication is restored.		
Raising condition: ('Server Status' EQUAL 'Down')		
Clearing condition: ('Server Status' EQUAL 'Up')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the AUX and SAM servers is unreliable.		

Table 22-4 BootableConfigBackupFailed

Alarm	Attributes	Applicable major NE releases
Name: BootableConfigBackupFailed (103) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: The alarm is raised when the 5620 SAM fails to back up a set of NE configuration files.		
Raising condition: ('Backup State' EQUAL 'Failure')		
Clearing condition: ('Backup State' EQUAL 'Success')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: Investigation is required to resolve the following possible scenarios: insufficient disk space is available to accommodate the NE configuration files (additional SAM platform alarms will accompany this alarm); the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

(2 of 2)

Table 22-5 BootableConfigRestoreFailed

Alarm	Attributes	Applicable major NE releases
Name: BootableConfigRestoreFailed (104) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: The alarm is raised when the 5620 SAM fails to restore a set of NE configuration files.		
Raising condition: ('Restore State' EQUAL 'Failure')		
Clearing condition: ('Restore State' EQUAL 'Success')		
Remedial action: Investigation is required to resolve the following possible scenarios: the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

Table 22-6 BootParametersMisconfigured

Alarm	Attributes	Applicable major NE releases
Name: BootParametersMisconfigured (35) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: persistentIndexFailure (30) Applicable probable causes: <ul style="list-style-type: none"> • persistentIndexFailure • configFileBootFailure 	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: The alarm is raised when the SNMP Index Boot Status on an NE is not set to Persistent.		
Raising condition: (('isGenericNode' EQUAL 'false') AND ('State' NOT EQUAL 'Pre-provisioned') AND (('Config File Status' NOT EQUAL 'Executed Successfully') OR ('Persistent Index Status' NOT EQUAL 'Rebuild Succeeded')))		
Clearing condition: (('Config File Status' EQUAL 'Executed Successfully') AND ('Persistent Index Status' EQUAL 'Rebuild Succeeded'))		
Remedial action: Ensure that "SNMP Index Boot Status" is persistent (using cli command "show system information" on the NE). If not, unmanage the network element from SAM, ensure that "persist on" is set in the bof file, save the bof, save a config file, verify that an index file (.ndx) is saved as well, reboot the router, verify that SNMP Index Boot Status is persistent and finally remanage the router from SAM.		

Table 22-7 BscAccessAdminDown

Alarm	Attributes	Applicable major NE releases
Name: BscAccessAdminDown (4629) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BscAccess	Severity: variable Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: The alarm is raised when a BSC Access Administrative State is down.		
Raising condition: (('administrativeState' NOT EQUAL 'Unlocked'))		
Clearing condition: (('administrativeState' EQUAL 'Unlocked'))		
Remedial action: Informational - no corrective action required.		

Table 22-8 BsCommunicationStateOffline

Alarm	Attributes	Applicable major NE releases
Name: BsCommunicationStateOffline (1264) Type: communicationsAlarm (4) Package: lte Raised on class: lte.ENBEquipment	Severity: warning Implicitly cleared: true Default probable cause: bsCommunicationOffline (904)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm is raised when the BS Communication State goes 'offline'. While BS communication state is 'offline' none of the SNMP properties can be set.		
Raising condition: (('bsCommunicationState' NOT EQUAL 'Online') AND ('bsCommunicationState' NOT EQUAL 'OMC Managed'))		
Clearing condition: (('bsCommunicationState' EQUAL 'Online') OR ('bsCommunicationState' EQUAL 'OMC Managed'))		
Remedial action: Will come back online when the NEM session is closed.		

Table 22-9 ClientDelegateServerStatus

Alarm	Attributes	Applicable major NE releases
Name: ClientDelegateServerStatus (731) Type: communicationsAlarm (4) Package: server Raised on class: server.ClientDelegateServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: The alarm is raised when a client delegate server is unreachable.		
Raising condition: ('Server Status' EQUAL 'Down')		
Clearing condition: ('Server Status' EQUAL 'Up')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the client delegate platform and SAM servers is unreliable or the client delegate server itself is unreliable.		

Table 22-10 ContainingEquipmentAdministrativelyDown

Alarm	Attributes	Applicable major NE releases
Name: ContainingEquipmentAdministrativelyDown (466) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: minor Implicitly cleared: true Default probable cause: containingEquipmentAdministrativelyDown (330)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentAdministrativelyDown.		
Raising condition: (('Status' EQUAL 'Parent Admin Down') AND ('isTerminatable' EQUAL 'true'))		
Clearing condition: (('Status' NOT EQUAL 'Parent Admin Down') OR ('isTerminatable' NOT EQUAL 'true'))		
Remedial action: Informational - no corrective action required.		

Table 22-11 ContainingEquipmentMismatch

Alarm	Attributes	Applicable major NE releases
Name: ContainingEquipmentMismatch (464) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentMismatch (328)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentMismatch.		
Raising condition: (('Status' EQUAL 'Parent Type Mismatch') AND ('isTerminatable' EQUAL 'true'))		
Clearing condition: (('Status' NOT EQUAL 'Parent Type Mismatch') OR ('isTerminatable' NOT EQUAL 'true'))		
Remedial action: A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

Table 22-12 ContainingEquipmentOperationallyDown

Alarm	Attributes	Applicable major NE releases
Name: ContainingEquipmentOperationallyDown (465) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentDown (329)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentOperationallyDown.		
Raising condition: (('Status' EQUAL 'Parent Oper Down') AND ('isTerminatable' EQUAL 'true'))		
Clearing condition: (('Status' NOT EQUAL 'Parent Oper Down') OR ('isTerminatable' NOT EQUAL 'true'))		

(1 of 2)

22 – Alcatel-Lucent 9xxx eNodeB alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: The operational state of the equipment element indicated in the alarm is down. This may be due to the element's administrative state or it may indicate that the element has failed.		

(2 of 2)

Table 22-13 CorruptImageFile

Alarm	Attributes	Applicable major NE releases
Name: CorruptImageFile (171) Type: configurationAlarm (11) Package: mediation Raised on class: mediation.AbstractSoftwareFolderDescriptor	Severity: critical Implicitly cleared: true Default probable cause: invalidOrCorruptImageFile (134)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: The alarm is raised when one or more files in the 5620 SAM software image specified for a device software upgrade is invalid, corrupt or absent. The 5620 SAM validates a device software file set before it imports the file set and distributes it to an NE. Ensure that the file set downloads properly to the NE and is not tampered with before you re-attempt the upgrade. The alarm clears when a valid file set is on the NE and the 5620 SAM activates the software image in the file set.		
Raising condition: ('isImageValid' EQUAL 'false')		
Clearing condition: ('isImageValid' EQUAL 'true')		
Remedial action: The existing SW image in the SAM database should be replaced with an image that is known to be complete and valid.		

Table 22-14 downgradedCardAlarm

Alarm	Attributes	Applicable major NE releases
Name: downgradedCardAlarm (256) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: downgradedCard (195)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: The alarm is raised when an IOM is not upgraded or reset after a device software upgrade of both CPMs. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
Raising condition: ('operationalState' EQUAL 'Downgrade')		
Clearing condition: ('operationalState' EQUAL 'Up')		
Remedial action: Informational - no corrective action required.		

Table 22-15 ENBEquipmentAdminDown

Alarm	Attributes	Applicable major NE releases
Name: ENBEquipmentAdminDown (1359) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: The alarm is raised when an ENB Equipment Administrative State is down.		
Raising condition: (('administrativeState' NOT EQUAL 'Unlocked'))		
Clearing condition: (('administrativeState' EQUAL 'Unlocked'))		
Remedial action: Informational - no corrective action required.		

Table 22-16 ENBEquipmentDown

Alarm	Attributes	Applicable major NE releases
Name: ENBEquipmentDown (1360) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: info Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: The alarm is raised when an ENB Equipment is operationally down.		
Raising condition: (('operationalState' NOT EQUAL 'Enabled') AND ('administrativeState' EQUAL 'Unlocked'))		
Clearing condition: (('operationalState' EQUAL 'Enabled') OR ('administrativeState' NOT EQUAL 'Unlocked'))		
Remedial action: The Equipment is inoperable. Additional attributes may indicate the nature and cause of the issue.		

Table 22-17 ENBEquipmentNotAvailable

Alarm	Attributes	Applicable major NE releases
Name: ENBEquipmentNotAvailable (1361) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: info Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: The alarm is raised when an ENB Equipment is not fully available.		
Raising condition: ('availabilityStatus' NOT EQUAL 'No Bits Set')		
Clearing condition: ('availabilityStatus' EQUAL 'No Bits Set')		
Remedial action: The Equipment is not fully available. AvailabilityStatus value and Additional attributes may indicate the nature and cause of the issue.		

Table 22-18 EquipmentAdministrativelyDown

Alarm	Attributes	Applicable major NE releases
Name: EquipmentAdministrativelyDown (455) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: minor Implicitly cleared: true Default probable cause: equipmentAdministrativelyDown (326)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentAdministrativelyDown.		
Raising condition: ('compositeEquipmentState' EQUAL 'Admin Down')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Admin Down')		
Remedial action: Informational - no corrective action required.		

Table 22-19 EquipmentDown

Alarm	Attributes	Applicable major NE releases
Name: EquipmentDown (10) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: inoperableEquipment (8)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentOperationallyDown.		
Raising condition: ('compositeEquipmentState' EQUAL 'Oper Down')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Oper Down')		
Remedial action: This alarm indicates that a card in the NE has failed. The card must be replaced.		

Table 22-20 EquipmentFailure

Alarm	Attributes	Applicable major NE releases
Name: EquipmentFailure (145) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.ReplaceableUnit	Severity: critical Implicitly cleared: true Default probable cause: cardFailure (123)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: The alarm is raised when a control processor or power-supply tray reports a failure. When the object type is ControlProcessor, a CPM may be unable to boot. When the object type is Power Supply Tray and the alarm is raised during device discovery, a power-supply tray may be out of service. When the object type is a Power Supply Tray and the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
Raising condition: ('operationalState' EQUAL 'Failed')		
Clearing condition: ('operationalState' NOT EQUAL 'Failed')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: If the alarm indicates that the CPM card has a fault, remove the card and reset it. If this does not clear the alarm then please contact Alcatel-Lucent support for assistance. If the alarm indicates that the Power Supply tray is out of service ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

(2 of 2)

Table 22-21 EquipmentInTest

Alarm	Attributes	Applicable major NE releases
Name: EquipmentInTest (11) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: warning Implicitly cleared: true Default probable cause: equipmentInTest (9)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: The alarm is raised when equipment enters a diagnostic state.		
Raising condition: ('compositeEquipmentState' EQUAL 'In Test')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'In Test')		
Remedial action: Informational - no corrective action required.		

Table 22-22 EquipmentMismatch

Alarm	Attributes	Applicable major NE releases
Name: EquipmentMismatch (9) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: equipmentTypeMismatch (7)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMismatch.		
Raising condition: ('compositeEquipmentState' EQUAL 'Type Mismatch')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Type Mismatch')		
Remedial action: A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

Table 22-23 EquipmentRemoved

Alarm	Attributes	Applicable major NE releases
Name: EquipmentRemoved (8) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: replaceableEquipmentRemoved (6)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0

(1 of 2)

22 – Alcatel-Lucent 9xxx eNodeB alarms

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMissing.		
Raising condition: (('compositeEquipmentState' EQUAL 'Removed') AND ('isEquipmentInserted' EQUAL 'true'))		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Removed')		
Remedial action: Informational - this alarm is raised when a card is removed.		

(2 of 2)

Table 22-24 FrameSizeProblem (netw)

Alarm	Attributes	Applicable major NE releases
Name: FrameSizeProblem (37) Type: configurationAlarm (11) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: frameSizeProblem (33)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: The alarm is raised when a provisioned MTU size value is greater than the supported MTU size value.		
Raising condition: (('mtuMismatch' EQUAL 'true') AND ('portId' NOT EQUAL '0L'))		
Clearing condition: (('mtuMismatch' EQUAL 'false') OR ('portId' EQUAL '0L'))		
Remedial action: A configuration error has been made which must be corrected. The MTU value must be changed such that is less than or equal to the supported MTU size value.		

Table 22-25 FRUAdminDown

Alarm	Attributes	Applicable major NE releases
Name: FRUAdminDown (2919) Type: equipmentAlarm (3) Package: lte Raised on class: lte.FRU	Severity: variable Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: The alarm is raised when an ENB FRU Administrative State is down		
Raising condition: (('Administrative State' NOT EQUAL 'Unlocked'))		
Clearing condition: (('Administrative State' NOT EQUAL 'Locked'))		
Remedial action: Informational - no corrective action required.		

Table 22-26 FRUDown

Alarm	Attributes	Applicable major NE releases
Name: FRUDown (2920) Type: equipmentAlarm (3) Package: lte Raised on class: lte.FRU	Severity: info Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: The alarm is raised when an ENB FRU is operationally down.		
Raising condition: (('Operational State' NOT EQUAL 'Enabled') AND ('Administrative State' EQUAL 'Unlocked'))		
Clearing condition: (('Operational State' EQUAL 'Enabled') OR ('Administrative State' NOT EQUAL 'Unlocked'))		
Remedial action: The Equipment is inoperable. Additional attributes may indicate the nature and cause of the issue.		

Table 22-27 FRUNotAvailable

Alarm	Attributes	Applicable major NE releases
Name: FRUNotAvailable (2921) Type: equipmentAlarm (3) Package: lte Raised on class: lte.FRU	Severity: info Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: The alarm is raised when an ENB FRU is not fully available.		
Raising condition: ('Availability Status' NOT EQUAL 'No Bits Set')		
Clearing condition: ('Availability Status' EQUAL 'No Bits Set')		
Remedial action: The Equipment is not fully available. AvailabilityStatus value and Additional attributes may indicate the nature and cause of the issue.		

Table 22-28 GaPeerDown

Alarm	Attributes	Applicable major NE releases
Name: GaPeerDown (3303) Type: EpcAlarm (59) Package: lteegsn Raised on class: lteegsn.GaPeer	Severity: major Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: The alarm is raised when the path management state of a Ga peer changes to a state other than Up.		
Raising condition: ('Path Management State' NOT EQUAL 'Active')		
Clearing condition: ('Path Management State' EQUAL 'Active')		
Remedial action: A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

Table 22-29 IK4001001 - TMA UNREADABLE MANUFACTURER DATA

Alarm	Attributes	Applicable major NE releases
Name: IK4001001 (2122) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.TmaAldEntry	Severity: minor Specific problem: TMA UNREADABLE MANUFACTURER DATA (2) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a failure to read the TMA manufacturer data record.		
Impact: The TMA may not provide RF gain		
Remedial action: Check the TMA or the AISG communication bus		

Table 22-30 IK4001002 - TMA ALARM MINOR SUB1

Alarm	Attributes	Applicable major NE releases
Name: IK4001002 (2123) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.TmaAldEntry	Severity: minor Specific problem: TMA ALARM MINOR SUB1 (3) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a minor TMA subunit fault which reduces gain performance but maintains its function.		
Impact: Possible loss of Rx Gain		
Remedial action: Reset the TMA, if problem persists then replace the TMA.		

Table 22-31 IK4001003 - TMA ALARM MINOR SUB2

Alarm	Attributes	Applicable major NE releases
Name: IK4001003 (2124) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.TmaAldEntry	Severity: minor Specific problem: TMA ALARM MINOR SUB2 (4) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a minor TMA subunit fault which reduces gain performance but maintains its function.		
Impact: Possible loss of Rx Gain		
Remedial action: Reset the TMA, if problem persists then replace the TMA.		

Table 22-32 IK4001004 - TMA ALARM MINOR SUB3

Alarm	Attributes	Applicable major NE releases
Name: IK4001004 (2125) Type: equipmentAlarm (3) Package: lte Raised on class: lte.TmaAidEntry	Severity: minor Specific problem: TMA ALARM MINOR SUB3 (5) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a minor TMA subunit fault which reduces gain performance but maintains its function.		
Impact: Possible loss of Rx Gain		
Remedial action: Reset the TMA, if problem persists then replace the TMA.		

Table 22-33 IK4001005 - TMA ALARM MINOR SUB4

Alarm	Attributes	Applicable major NE releases
Name: IK4001005 (2126) Type: equipmentAlarm (3) Package: lte Raised on class: lte.TmaAidEntry	Severity: minor Specific problem: TMA ALARM MINOR SUB4 (6) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a minor TMA subunit fault which reduces gain performance but maintains its function.		
Impact: Possible loss of Rx Gain		
Remedial action: Reset the TMA, if problem persists then replace the TMA.		

Table 22-34 IK4001006 - TMA ALARM MINOR SUB5

Alarm	Attributes	Applicable major NE releases
Name: IK4001006 (2127) Type: equipmentAlarm (3) Package: lte Raised on class: lte.TmaAidEntry	Severity: minor Specific problem: TMA ALARM MINOR SUB5 (7) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a minor TMA subunit fault which reduces gain performance but maintains its function.		
Impact: Possible loss of Rx Gain		
Remedial action: Reset the TMA, if problem persists then replace the TMA.		

Table 22-35 IK4001007 - TMA ALARM MINOR SUB6

Alarm	Attributes	Applicable major NE releases
Name: IK4001007 (2128) Type: equipmentAlarm (3) Package: lte Raised on class: lte.TmaAldEntry	Severity: minor Specific problem: TMA ALARM MINOR SUB6 (8) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a minor TMA subunit fault which reduces gain performance but maintains its function.		
Impact: Possible loss of Rx Gain		
Remedial action: Reset the TMA, if problem persists then replace the TMA.		

Table 22-36 IK4001008 - TMA ALARM MAJOR SUB1

Alarm	Attributes	Applicable major NE releases
Name: IK4001008 (2129) Type: equipmentAlarm (3) Package: lte Raised on class: lte.TmaAldEntry	Severity: major Specific problem: TMA ALARM MAJOR SUB1 (9) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a major TMA subunit fault which prevents its function.		
Impact: Loss of one Rx Path		
Remedial action: Reset the TMA, if problem persists then replace the TMA.		

Table 22-37 IK4001009 - TMA ALARM MAJOR SUB2

Alarm	Attributes	Applicable major NE releases
Name: IK4001009 (2130) Type: equipmentAlarm (3) Package: lte Raised on class: lte.TmaAldEntry	Severity: major Specific problem: TMA ALARM MAJOR SUB2 (10) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a major TMA subunit fault which prevents its function.		
Impact: Loss of one Rx Path		
Remedial action: Reset the TMA, if problem persists then replace the TMA.		

Table 22-38 IK4001010 - TMA ALARM MAJOR SUB3

Alarm	Attributes	Applicable major NE releases
Name: IK4001010 (2131) Type: equipmentAlarm (3) Package: lte Raised on class: lte.TmaAldEntry	Severity: major Specific problem: TMA ALARM MAJOR SUB3 (11) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a major TMA subunit fault which prevents its function.		
Impact: Loss of one Rx Path		
Remedial action: Reset the TMA, if problem persists then replace the TMA.		

Table 22-39 IK4001011 - TMA ALARM MAJOR SUB4

Alarm	Attributes	Applicable major NE releases
Name: IK4001011 (2132) Type: equipmentAlarm (3) Package: lte Raised on class: lte.TmaAldEntry	Severity: major Specific problem: TMA ALARM MAJOR SUB4 (12) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a major TMA subunit fault which prevents its function.		
Impact: Loss of one Rx Path		
Remedial action: Reset the TMA, if problem persists then replace the TMA.		

Table 22-40 IK4001012 - TMA ALARM MAJOR SUB5

Alarm	Attributes	Applicable major NE releases
Name: IK4001012 (2133) Type: equipmentAlarm (3) Package: lte Raised on class: lte.TmaAldEntry	Severity: major Specific problem: TMA ALARM MAJOR SUB5 (13) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a major TMA subunit fault which prevents its function.		
Impact: Loss of one Rx Path		
Remedial action: Reset the TMA, if problem persists then replace the TMA.		

Table 22-41 IK4001013 - TMA ALARM MAJOR SUB6

Alarm	Attributes	Applicable major NE releases
Name: IK4001013 (2134) Type: equipmentAlarm (3) Package: lte Raised on class: lte.TmaAldEntry	Severity: major Specific problem: TMA ALARM MAJOR SUB6 (14) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a major TMA subunit fault which prevents its function.		
Impact: Loss of one Rx Path		
Remedial action: Reset the TMA, if problem persists then replace the TMA.		

Table 22-42 IK4001014 - TMA ALD UNIT SUPPORT WRONG AISG VERSION

Alarm	Attributes	Applicable major NE releases
Name: IK4001014 (2135) Type: equipmentAlarm (3) Package: lte Raised on class: lte.TmaAldEntry	Severity: minor Specific problem: TMA ALD UNIT SUPPORT WRONG AISG VERSION (15) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that the ALD unit does not support AISG version 2.0.		
Impact: The TMA is out of service.		
Remedial action: Upgrade the TMA software or replace it with an AISG v2.0 unit.		

Table 22-43 IK4001015 - TMA LOSS OF COMM

Alarm	Attributes	Applicable major NE releases
Name: IK4001015 (2136) Type: equipmentAlarm (3) Package: lte Raised on class: lte.TmaAldEntry	Severity: major Specific problem: TMA LOSS OF COMM (16) Implicitly cleared: true Default probable cause: communicationsSubsystemFailure (915)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates the RFM that acts as an AISG Controller has lost communication to the TMA unit.		
Impact: Loss of alarm reporting by the TMA		
Remedial action: Reset the AISG-host RFM, inspect and repair the AISG bus, or replace the TMA.		

Table 22-44 IK4001016 - TMA FAULT 1

Alarm	Attributes	Applicable major NE releases
Name: IK4001016 (2959) Type: equipmentAlarm (3) Package: lte Raised on class: lte.TmaAldEntry	Severity: minor Specific problem: TMA FAULT 1 (17) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. Unspecified TMA fault detected		
Impact: Check the additional info for impact details.		
Remedial action: Check the additional information for maintenance action details.		

Table 22-45 IK4001017 - TMA FAULT 2

Alarm	Attributes	Applicable major NE releases
Name: IK4001017 (2960) Type: equipmentAlarm (3) Package: lte Raised on class: lte.TmaAldEntry	Severity: minor Specific problem: TMA FAULT 2 (18) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. Unspecified TMA fault detected		
Impact: Check the additional info for impact details.		
Remedial action: Check the additional information for maintenance action details.		

Table 22-46 IK4001018 - TMA FAULT 3

Alarm	Attributes	Applicable major NE releases
Name: IK4001018 (2961) Type: equipmentAlarm (3) Package: lte Raised on class: lte.TmaAldEntry	Severity: minor Specific problem: TMA FAULT 3 (19) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. Unspecified TMA fault detected		
Impact: Check the additional info for impact details.		
Remedial action: Check the additional information for maintenance action details.		

Table 22-47 IK4001019 - TMA FAULT 4

Alarm	Attributes	Applicable major NE releases
Name: IK4001019 (2962) Type: equipmentAlarm (3) Package: lte Raised on class: lte.TmaAldEntry	Severity: minor Specific problem: TMA FAULT 4 (20) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. Unspecified TMA fault detected		
Impact: Check the additional info for impact details.		
Remedial action: Check the additional information for maintenance action details.		

Table 22-48 IK4001020 - TMA FAULT 5

Alarm	Attributes	Applicable major NE releases
Name: IK4001020 (2963) Type: equipmentAlarm (3) Package: lte Raised on class: lte.TmaAldEntry	Severity: minor Specific problem: TMA FAULT 5 (21) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. Unspecified TMA fault detected		
Impact: Check the additional info for impact details.		
Remedial action: Check the additional information for maintenance action details.		

Table 22-49 IK4001021 - TMA HW FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4001021 (2964) Type: equipmentAlarm (3) Package: lte Raised on class: lte.TmaAldEntry	Severity: major Specific problem: TMA HW FAILURE (22) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a general TMA HW failure.		
Impact: The TMA is out of service.		
Remedial action: Replace the TMA.		

Table 22-50 IK4001029 - TMA INDETERMINATE OPERATIONAL FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4001029 (3748) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.TmaAldEntry	Severity: major Specific problem: TMA INDETERMINATE OPERATIONAL FAILURE (24) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3
Description: This alarm indicates that a failure of the TMA has been detected that cannot be described by any specific alarm.		
Impact: If the failure affects the RF portion of the TMA then the receive RF gain on the path(s) served by the TMA is reduced. If the failure affects only the AISG terminal function of the TMA then RF gain should still be active.		
Remedial action: If the failure affects the RF portion of the TMA then the receive RF gain on the path(s) served by the TMA is reduced. If the failure affects only the AISG terminal function of the TMA then RF gain should still be active.		

Table 22-51 IK4001030 - TMA INITIALIZATION FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4001030 (3749) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.TmaAldEntry	Severity: major Specific problem: TMA INITIALIZATION FAILURE (25) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that the unit is automatically reset to attempt to clear the fault. If the problem persists then replace the failed TMA.		
Impact: The unit is automatically reset to attempt to clear the fault. If the problem persists then replace the failed TMA.		
Remedial action: The unit is automatically reset to attempt to clear the fault. If the problem persists then replace the failed TMA.		

Table 22-52 IK4001031 - TMA INDETERMINATE OPERATIONAL FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4001031 (5192) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.TmaAldEntry	Severity: major Specific problem: TMA INDETERMINATE OPERATIONAL FAILURE (24) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR14.1.L
Description: This alarm indicates that a failure of the TMA has been detected that cannot be described by any specific alarm.		
Remedial action: If the failure affects the RF portion of the TMA then the receive RF gain on the path(s) served by the TMA is reduced. If the failure affects only the AISG terminal function of the TMA then RF gain should still be active.		

Table 22-53 IK4002001 - AMR INIT FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4002001 (2137) Type: equipmentAlarm (3) Package: lte Raised on class: lte.AMR	Severity: minor Specific problem: AMR INIT FAILURE (26) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates the failure to initialize the RF cabinet alarm module.		
Impact: The RF module is out of service.		
Remedial action: Check the cabling between TRDU and AMR. If the alarm persists, reset one or more of the TRDUs, or replace the AMR.		

Table 22-54 IK4002002 - AMR COMM FAIL

Alarm	Attributes	Applicable major NE releases
Name: IK4002002 (2138) Type: equipmentAlarm (3) Package: lte Raised on class: lte.AMR	Severity: minor Specific problem: AMR COMM FAIL (27) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates the loss of communication with RF cabinet Alarm Module.		
Impact: The RF module is out of service.		
Remedial action: Check the cabling between TRDU and AMR. If the alarm persists, reset one or more of the TRDUs, or replace the AMR.		

Table 22-55 IK4002003 - AMR UNREADABLE MANUFACTURER DATA

Alarm	Attributes	Applicable major NE releases
Name: IK4002003 (2139) Type: equipmentAlarm (3) Package: lte Raised on class: lte.AMR	Severity: warning Specific problem: AMR UNREADABLE MANUFACTURER DATA (28) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates the failure to read the RF cabinet alarm module manufacturer data.		
Impact: The RF module is out of service.		
Remedial action: Check the cabling between TRDU and AMR. If the alarm persists, reset one or more of the TRDUs, or replace the AMR.		

Table 22-56 IK4002004 - AMR FAN ALARM

Alarm	Attributes	Applicable major NE releases
Name: IK4002004 (2140) Type: equipmentAlarm (3) Package: lte Raised on class: lte.AMR	Severity: major Specific problem: AMR FAN ALARM (29) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that the RF cabinet fan is out of service.		
Impact: The RF cabinet components may fail due to overheating.		
Remedial action: Replace the fan of the RF cabinet.		

Table 22-57 IK4002005 - AMR DOOR ALARM

Alarm	Attributes	Applicable major NE releases
Name: IK4002005 (2141) Type: environmentalAlarm (2) Package: lte Raised on class: lte.AMR	Severity: minor Specific problem: AMR DOOR ALARM (30) Implicitly cleared: true Default probable cause: enclosureDoorOpen (900)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that the RF cabinet door is open.		
Impact: The RF cabinet equipment is accessible and easily tampered. No immediate impact on call processing.		
Remedial action: Close the cabinet door.		

Table 22-58 IK4002006 - AMR OVER TEMP

Alarm	Attributes	Applicable major NE releases
Name: IK4002006 (2142) Type: environmentalAlarm (2) Package: lte Raised on class: lte.AMR	Severity: major Specific problem: AMR OVER TEMP (31) Implicitly cleared: true Default probable cause: heatingOrVentilationOrCoolingSystemProblem (701)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that the RF cabinet temperature is above the safe operating temperature.		
Impact: The RF cabinet components may fail due to overheating.		
Remedial action: Check the cabinet for proper functioning fans and clean air filters. Check if the ambient temperature is within the recommended operating range.		

Table 22-59 IK4002007 - AMR FAF

Alarm	Attributes	Applicable major NE releases
Name: IK4002007 (2143) Type: equipmentAlarm (3) Package: lte Raised on class: lte.AMR	Severity: minor Specific problem: AMR FAF (32) Implicitly cleared: true Default probable cause: heatingOrVentilationOrCoolingSystemProblem (701)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that the RF cabinet filter airflow is reduced.		
Impact: The RF cabinet components may fail due to overheating.		
Remedial action: Replace the fresh air filter.		

Table 22-60 IK4002016 - AMR FAULT 1

Alarm	Attributes	Applicable major NE releases
Name: IK4002016 (2966) Type: equipmentAlarm (3) Package: lte Raised on class: lte.AMR	Severity: minor Specific problem: AMR FAULT 1 (33) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. An unspecified AMR fault has been detected.		
Impact: Check the additional info for impact details.		
Remedial action: Check the additional information for maintenance action details.		

Table 22-61 IK4002017 - AMR FAULT 2

Alarm	Attributes	Applicable major NE releases
Name: IK4002017 (2967) Type: equipmentAlarm (3) Package: lte Raised on class: lte.AMR	Severity: minor Specific problem: AMR FAULT 2 (34) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. An unspecified AMR fault has been detected.		
Impact: Check the additional info for impact details.		
Remedial action: Check the additional information for maintenance action details.		

Table 22-62 IK4002018 - AMR FAULT 3

Alarm	Attributes	Applicable major NE releases
Name: IK4002018 (2968) Type: equipmentAlarm (3) Package: lte Raised on class: lte.AMR	Severity: minor Specific problem: AMR FAULT 3 (35) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. An unspecified AMR fault has been detected.		
Impact: Check the additional info for impact details.		
Remedial action: Check the additional information for maintenance action details.		

Table 22-63 IK4002019 - AMR FAULT 4

Alarm	Attributes	Applicable major NE releases
Name: IK4002019 (2969) Type: equipmentAlarm (3) Package: lte Raised on class: lte.AMR	Severity: minor Specific problem: AMR FAULT 4 (36) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. An unspecified AMR fault has been detected.		
Impact: Check the additional info for impact details.		
Remedial action: Check the additional information for maintenance action details.		

Table 22-64 IK4002020 - AMR FAULT 5

Alarm	Attributes	Applicable major NE releases
Name: IK4002020 (2970) Type: equipmentAlarm (3) Package: lte Raised on class: lte.AMR	Severity: minor Specific problem: AMR FAULT 5 (37) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. An unspecified AMR fault has been detected.		
Impact: Check the additional info for impact details.		
Remedial action: Check the additional information for maintenance action details.		

Table 22-65 IK4003001 - BB LOSS OF HS DATA LINK 1

Alarm	Attributes	Applicable major NE releases
Name: IK4003001 (5193) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: BB LOSS OF HS DATA LINK 1 (38) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR14.1.L
Description: This alarm indicates a failure of the BB to CB link.		
Remedial action: Reset BB, reset CB, replace BB or CB if problem persists.		

Table 22-66 IK4003002 - BB LOSS OF HS DATA LINK 2

Alarm	Attributes	Applicable major NE releases
Name: IK4003002 (5194) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: BB LOSS OF HS DATA LINK 2 (39) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR14.1.L
Description: This alarm indicates a failure of the BB to CB link.		
Remedial action: Reset BB, reset CB, replace BB or CB if problem persists.		

Table 22-67 IK4003003 - BB INIT FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4003003 (2152) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: critical Specific problem: BB INIT FAILURE (40) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates the BB initialization failure.		
Impact: The BB is completely or partially affected. The service impact depends on the eNodeB configuration.		
Remedial action: Reset BB. Use the reset command on the SAM, or reset using the remote connection to NEM. If the alarm persists, replace BB.		

Table 22-68 IK4003004 - BB LOSS OF HS DATA LINK 3

Alarm	Attributes	Applicable major NE releases
Name: IK4003004 (5195) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: BB LOSS OF HS DATA LINK 3 (41) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates a failure of the BB to CB link.		
Remedial action: Reset BB, reset CB, replace BB or CB if problem persists.		

Table 22-69 IK4003006 - BB INDETERMINATE OPERATIONAL FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4003006 (5196) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: BB INDETERMINATE OPERATIONAL FAILURE (42) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates that a failure of the modem (baseband unit) has been detected that cannot be described by any specific alarm.		
Remedial action: The unit is automatically reset to attempt to clear the fault. If the problem persists then replace the failed modem.		

Table 22-70 IK4003008 - BB LOSS OF COMM

Alarm	Attributes	Applicable major NE releases
Name: IK4003008 (2153) Type: communicationsAlarm (4) Package: lte Raised on class: lte.BBCardSpecifics	Severity: critical Specific problem: BB LOSS OF COMM (43) Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> LR13.1 LR13.3 LR14.1.L LT6.0
Description: This alarm indicates the loss of layer 3 communication to the modem.		
Impact: The module is not usable. The service impact depends on the eNodeB configuration.		
Remedial action: If the alarm persists for more than 15 minutes, then perform the following tasks sequentially until the alarm clears. Please allow 10 minutes for the alarm to clear after each task. 1. Check the state of the CEM. If "Initializing" is indicated then another 10 minutes should be allowed to pass before resetting the BB. 2. Reset the BB via NEM. 3. Check if BB is present in the cabinet, remove and reinsert BB. 4. Replace BB. 5. Check the back panel and replace CB. 6. Call next level of support.		

Table 22-71 IK4003042 - BB FAULT BIST FAIL

Alarm	Attributes	Applicable major NE releases
Name: IK4003042 (2154) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: critical Specific problem: BB FAULT BIST FAIL (44) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a Built In Self Test failure.		
Impact: LTE service is not possible on this BB.		
Remedial action: Reset BB, replace if problem persist		

Table 22-72 IK4003043 - BB FAULT DOWNLOAD FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4003043 (2155) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BBCardSpecifics	Severity: minor Specific problem: BB FAULT DOWNLOAD FAILURE (45) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a software download failure.		
Impact: No impact on eNodeB.		
Remedial action: Retry the download. If the problem persists, contact the next level support.		

Table 22-73 IK4003044 - BB OVER TEMP MAJOR

Alarm	Attributes	Applicable major NE releases
Name: IK4003044 (2156) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: BB OVER TEMP MAJOR (46) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that the modem temperature is rising to the shutdown limit.		
Impact: If the alarm persists, it will impact the LTE service on this BB.		
Remedial action: Check for proper fan operation and that the fan type is compatible with the BB type, check that DBU inlet temperature is within operating range.		

Table 22-74 IK4003045 - BB OVER TEMP CRITICAL

Alarm	Attributes	Applicable major NE releases
Name: IK4003045 (2157) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: critical Specific problem: BB OVER TEMP CRITICAL (47) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that the modem temperature is above operating range.		
Impact: LTE service is still possible on this BB until auto shutdown.		
Remedial action: Check for proper fan operation and that the fan type is compatible with the BB type, check that DBU inlet temperature is within operating range.		

Table 22-75 IK4003046 - BB SOFTWARE FAIL

Alarm	Attributes	Applicable major NE releases
Name: IK4003046 (2158) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BBCardSpecifics	Severity: critical Specific problem: BB SOFTWARE FAIL (48) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a general platform software failure.		
Impact: LTE service is not possible on this BB.		
Remedial action: Reset the BB.		

Table 22-76 IK4003048 - BB L1 HARDWARE FAIL

Alarm	Attributes	Applicable major NE releases
Name: IK4003048 (2160) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: critical Specific problem: BB L1 HARDWARE FAIL (49) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a Layer 1 hardware failure.		
Impact: LTE service is not possible on this BB.		
Remedial action: Reset the BB, replace the BB if problem persists.		

Table 22-77 IK4003050 - BB L1 SOFTWARE WARNING

Alarm	Attributes	Applicable major NE releases
Name: IK4003050 (2162) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BBCardSpecifics	Severity: warning Specific problem: BB L1 SOFTWARE WARNING (50) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates a Layer 1 software warning.		
Impact: No impact on eNodeB.		
Remedial action: Reset the BB in low traffic hours.		

Table 22-78 IK4003051 - BB L2 SOFTWARE WARNING

Alarm	Attributes	Applicable major NE releases
Name: IK4003051 (2163) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BBCardSpecifics	Severity: warning Specific problem: BB L2 SOFTWARE WARNING (51) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates a Layer 2 software warning.		
Impact: No impact on eNodeB.		
Remedial action: Reset the BB in low traffic hours.		

Table 22-79 IK4003052 - BB L2 HARDWARE FAIL

Alarm	Attributes	Applicable major NE releases
Name: IK4003052 (2164) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: critical Specific problem: BB L2 HARDWARE FAIL (52) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a Layer 2 hardware failure.		
Impact: LTE service is not possible on this BB.		
Remedial action: Reset the BB, replace the BB if problem persists.		

Table 22-80 IK4003053 - BB LOSS OF HS DATA LINK ALL

Alarm	Attributes	Applicable major NE releases
Name: IK4003053 (2165) Type: communicationsAlarm (4) Package: lte Raised on class: lte.BBCardSpecifics	Severity: critical Specific problem: BB LOSS OF HS DATA LINK ALL (53) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a loss of high-speed data links to all BBs.		
Impact: LTE service is not possible on this BB.		
Remedial action: Reset the BB and/or CB, if problem persists then replace the BB or CB.		

Table 22-81 IK4003054 - BB LED FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4003054 (2166) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: minor Specific problem: BB LED FAILURE (54) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a failure to control face-plate LEDs.		
Impact: No impact on eNodeB.		
Remedial action: Reset the BB in low traffic hours.		

Table 22-82 IK4003055 - BB NON CPU POWER FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4003055 (2167) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: critical Specific problem: BB NON CPU POWER FAILURE (55) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a BB power failure to the peripheral devices except the Ethernet switch and the P4080.		
Impact: LTE service is not provided on this BB.		
Remedial action: Replace the BB.		

Table 22-83 IK4003056 - BB HS DATA LINK SYNC FAULT

Alarm	Attributes	Applicable major NE releases
Name: IK4003056 (2168) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: BB HS DATA LINK SYNC FAULT (56) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a failure to synchronize SFN to modem.		
Impact: LTE service is not provided on this BB.		
Remedial action: Reset the BB.		

Table 22-84 IK4003057 - BB L1 SOFTWARE FAIL SLICE 1

Alarm	Attributes	Applicable major NE releases
Name: IK4003057 (2169) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: BB L1 SOFTWARE FAIL SLICE 1 (57) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a software failure on the BB.		
Impact: LTE service is not possible on this BB slice.		
Remedial action: Reset the BB.		

Table 22-85 IK4003058 - BB L1 SOFTWARE FAIL SLICE 2

Alarm	Attributes	Applicable major NE releases
Name: IK4003058 (2170) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: BB L1 SOFTWARE FAIL SLICE 2 (58) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a software failure on the BB.		
Impact: LTE service is not possible on this BB slice.		
Remedial action: Reset the BB.		

Table 22-86 IK4003059 - BB L1 SOFTWARE FAIL SLICE 3

Alarm	Attributes	Applicable major NE releases
Name: IK4003059 (2171) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: BB L1 SOFTWARE FAIL SLICE 3 (59) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a software failure on the BB.		
Impact: LTE service is not possible on this BB slice.		
Remedial action: Reset the BB.		

Table 22-87 IK4003060 - BB L2 SOFTWARE FAIL SLICE 1

Alarm	Attributes	Applicable major NE releases
Name: IK4003060 (2172) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: BB L2 SOFTWARE FAIL SLICE 1 (60) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a software failure on the BB.		
Impact: LTE service is not possible on this BB slice.		
Remedial action: Reset the BB.		

Table 22-88 IK4003061 - BB L2 SOFTWARE FAIL SLICE 2

Alarm	Attributes	Applicable major NE releases
Name: IK4003061 (2173) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: BB L2 SOFTWARE FAIL SLICE 2 (61) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a software failure on the BB.		
Impact: LTE service is not possible on this BB slice.		
Remedial action: Reset the BB.		

Table 22-89 IK4003062 - BB L2 SOFTWARE FAIL SLICE 3

Alarm	Attributes	Applicable major NE releases
Name: IK4003062 (2174) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: BB L2 SOFTWARE FAIL SLICE 3 (62) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a software failure on the BB.		
Impact: LTE service is not possible on this BB slice.		
Remedial action: Reset the BB.		

Table 22-90 IK4003063 - BB L2 HARDWARE FAIL SLICE 1

Alarm	Attributes	Applicable major NE releases
Name: IK4003063 (2175) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: BB L2 HARDWARE FAIL SLICE 1 (63) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates a hardware failure on the BB.		
Impact: LTE service is not possible on this BB slice.		
Remedial action: Reset the BB, replace the BB if problem persists.		

Table 22-91 IK4003064 - BB L2 HARDWARE FAIL SLICE 2

Alarm	Attributes	Applicable major NE releases
Name: IK4003064 (2176) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: BB L2 HARDWARE FAIL SLICE 2 (64) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates a hardware failure on the BB.		
Impact: LTE service is not possible on this BB slice.		
Remedial action: Reset the BB, replace the BB if problem persists.		

Table 22-92 IK4003065 - BB L2 HARDWARE FAIL SLICE 3

Alarm	Attributes	Applicable major NE releases
Name: IK4003065 (2177) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: BB L2 HARDWARE FAIL SLICE 3 (65) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates a hardware failure on the BB.		
Impact: LTE service is not possible on this BB slice.		
Remedial action: Reset the BB, replace the BB if problem persists.		

Table 22-93 IK4003066 - BB L1 SOFTWARE WARNING SLICE 1

Alarm	Attributes	Applicable major NE releases
Name: IK4003066 (2178) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BBCardSpecifics	Severity: warning Specific problem: BB L1 SOFTWARE WARNING SLICE 1 (66) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a software warning on the BB.		
Impact: No impact on eNodeB.		
Remedial action: Reset BB in low traffic hours.		

Table 22-94 IK4003067 - BB L1 SOFTWARE WARNING SLICE 2

Alarm	Attributes	Applicable major NE releases
Name: IK4003067 (2179) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BBCardSpecifics	Severity: warning Specific problem: BB L1 SOFTWARE WARNING SLICE 2 (67) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a software warning on the BB.		
Impact: No impact on eNodeB.		
Remedial action: Reset BB in low traffic hours.		

Table 22-95 IK4003068 - BB L1 SOFTWARE WARNING SLICE 3

Alarm	Attributes	Applicable major NE releases
Name: IK4003068 (2180) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BBCardSpecifics	Severity: warning Specific problem: BB L1 SOFTWARE WARNING SLICE 3 (68) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a software warning on the BB.		
Impact: No impact on eNodeB.		
Remedial action: Reset BB in low traffic hours.		

Table 22-96 IK4003069 - BB L2 SOFTWARE WARNING SLICE 1

Alarm	Attributes	Applicable major NE releases
Name: IK4003069 (2181) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BBCardSpecifics	Severity: warning Specific problem: BB L2 SOFTWARE WARNING SLICE 1 (69) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a software warning on the BB.		
Impact: No impact on eNodeB.		
Remedial action: Reset BB in low traffic hours.		

Table 22-97 IK4003070 - BB L2 SOFTWARE WARNING SLICE 2

Alarm	Attributes	Applicable major NE releases
Name: IK4003070 (2182) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BBCardSpecifics	Severity: warning Specific problem: BB L2 SOFTWARE WARNING SLICE 2 (70) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a software warning on the BB.		
Impact: No impact on eNodeB.		
Remedial action: Reset BB in low traffic hours.		

Table 22-98 IK4003071 - BB L2 SOFTWARE WARNING SLICE 3

Alarm	Attributes	Applicable major NE releases
Name: IK4003071 (2183) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BBCardSpecifics	Severity: warning Specific problem: BB L2 SOFTWARE WARNING SLICE 3 (71) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a software warning on the BB.		
Impact: No impact on eNodeB.		
Remedial action: Reset BB in low traffic hours.		

Table 22-99 IK4003072 - BB FAULT 1

Alarm	Attributes	Applicable major NE releases
Name: IK4003072 (2971) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: minor Specific problem: BB FAULT 1 (72) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. Unspecified BB fault detected		
Impact: Check the additional info for impact details.		
Remedial action: Check the additional information for maintenance action details.		

Table 22-100 IK4003073 - BB FAULT 2

Alarm	Attributes	Applicable major NE releases
Name: IK4003073 (2972) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: minor Specific problem: BB FAULT 2 (73) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. Unspecified BB fault detected		
Impact: Check the additional info for impact details.		
Remedial action: Check the additional information for maintenance action details.		

Table 22-101 IK4003074 - BB FAULT 3

Alarm	Attributes	Applicable major NE releases
Name: IK4003074 (2973) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: minor Specific problem: BB FAULT 3 (74) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. Unspecified BB fault detected		
Impact: Check the additional info for impact details.		
Remedial action: Check the additional information for maintenance action details.		

Table 22-102 IK4003075 - BB FAULT 4

Alarm	Attributes	Applicable major NE releases
Name: IK4003075 (2974) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: minor Specific problem: BB FAULT 4 (75) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. Unspecified BB fault detected		
Impact: Check the additional info for impact details.		
Remedial action: Check the additional information for maintenance action details.		

Table 22-103 IK4003076 - BB FAULT 5

Alarm	Attributes	Applicable major NE releases
Name: IK4003076 (2975) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: minor Specific problem: BB FAULT 5 (76) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. Unspecified BB fault detected		
Impact: Check the additional info for impact details.		
Remedial action: Check the additional information for maintenance action details.		

Table 22-104 IK4003077 - BB LOSS OF HS DATA LINK 1

Alarm	Attributes	Applicable major NE releases
Name: IK4003077 (2976) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: BB LOSS OF HS DATA LINK 1 (38) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LT6.0
Description: This alarm indicates a failure of the BB to CB link.		
Impact: LTE service is not possible on this BB.		
Remedial action: Reset BB, reset CB, replace BB or CB if problem persists.		

Table 22-105 IK4003078 - BB LOSS OF HS DATA LINK 2

Alarm	Attributes	Applicable major NE releases
Name: IK4003078 (2977) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: BB LOSS OF HS DATA LINK 2 (39) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LT6.0
Description: This alarm indicates a failure of the BB to CB link.		
Impact: LTE service is not possible on this BB.		
Remedial action: Reset BB, reset CB, replace BB or CB if problem persists.		

Table 22-106 IK4003079 - BB LOSS OF HS DATA LINK 3

Alarm	Attributes	Applicable major NE releases
Name: IK4003079 (2978) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: BB LOSS OF HS DATA LINK 3 (41) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LT6.0
Description: This alarm indicates a failure of the BB to CB link.		
Impact: LTE service is not possible on this BB.		
Remedial action: Reset BB, reset CB, replace BB or CB if problem persists.		

Table 22-107 IK4003080 - BB LOSS OF HS DATA LINK 4

Alarm	Attributes	Applicable major NE releases
Name: IK4003080 (2979) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: BB LOSS OF HS DATA LINK 4 (77) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LT6.0
Description: This alarm indicates a failure of the BB to CB link.		
Impact: LTE service is not possible on this BB.		
Remedial action: Reset BB, reset CB, replace BB or CB if problem persists.		

Table 22-108 IK4003081 - BB DIV IMBALANCE 1

Alarm	Attributes	Applicable major NE releases
Name: IK4003081 (5197) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: BB DIV IMBALANCE 1 (78) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR14.1.L
Description: This alarm indicates Diversity imbalance fault.		
Remedial action: No action is required.		

Table 22-109 IK4003082 - BB DIV IMBALANCE 2

Alarm	Attributes	Applicable major NE releases
Name: IK4003082 (5198) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: BB DIV IMBALANCE 2 (79) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR14.1.L
Description: This alarm indicates Diversity imbalance fault.		
Remedial action: No action is required.		

Table 22-110 IK4003083 - BB DIV IMBALANCE 3

Alarm	Attributes	Applicable major NE releases
Name: IK4003083 (5199) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: BB DIV IMBALANCE 3 (80) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates Diversity imbalance fault.		
Remedial action: No action is required.		

Table 22-111 IK4003084 - BB INDETERMINATE OPERATIONAL FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4003084 (3750) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: BB INDETERMINATE OPERATIONAL FAILURE (42) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR13.1 LR13.3
Description: This alarm indicates that a failure of the modem (baseband unit) has been detected that cannot be described by any specific alarm.		
Impact: Cells supported by this modem may have failed.		
Remedial action: The unit is automatically reset to attempt to clear the fault. If the problem persists then replace the failed modem.		

Table 22-112 IK4003085 - BB ALL MODEM CELL RESOURCES FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4003085 (3985) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: critical Specific problem: BB ALL MODEM CELL RESOURCES FAILURE (81) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR13.1 LR13.3 LR14.1.L
Description: This alarm indicates all modem physical cell failure.		
Impact: LTE service is not possible on this BB.		
Remedial action: Reset the BB.		

Table 22-113 IK4003103 - BB CELL RESOURCES NOT ALLOCATED

Alarm	Attributes	Applicable major NE releases
Name: IK4003103 (5200) Type: communicationsAlarm (4) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: BB CELL RESOURCES NOT ALLOCATED (82) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR14.1.L
Description: This alarm indicates the BB requested more HSIQ links than free HSIQ links available at CB level.		
Remedial action: This alarm can be raised transiently in eCCM+3bCEM configurations. eNB will automatically solve it. If, the problem persists, reset the BB.		

Table 22-114 IK4004001 - CB INIT FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4004001 (2184) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: critical Specific problem: CB INIT FAILURE (83) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates the failure to initialize the associated resources.		
Impact: The LTE service is not possible.		
Remedial action: Reset CB using the remote connection to NEM. If the alarm persists, replace the CB.		

Table 22-115 IK4004002 - CB OSC LOSS

Alarm	Attributes	Applicable major NE releases
Name: IK4004002 (2185) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: critical Specific problem: CB OSC LOSS (84) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a hardware failure of the oscillator.		
Impact: The module is not usable. The eNodeB is not operational.		
Remedial action: If the alarm persists for more than a minute, replace the CB.		

Table 22-116 IK4004003 - CB 1PPS AND TOD REF INPUT LOCK FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4004003 (5201) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.CBCardSpecifics	Severity: major Specific problem: CB 1PPS AND TOD REF INPUT LOCK FAILURE (85) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates the loss of the Ingress Reference 1PPS signal.		
Remedial action: Check the 1PPS+ToD External Reference Connectivity. If fault persist, call next level of support		

Table 22-117 IK4004004 - CB 1PPS AND TOD REF INPUT PROTOCOL FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4004004 (5202) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.CBCardSpecifics	Severity: major Specific problem: CB 1PPS AND TOD REF INPUT PROTOCOL FAILURE (86) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates the Failure of the Ingress 1PPS+ToD Protocol Link.		
Remedial action: Check the 1PPS+ToD External Reference Connectivity. If fault persist, call next level of support		

Table 22-118 IK4004005 - CB INDETERMINATE OPERATIONAL FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4004005 (5203) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.CBCardSpecifics	Severity: critical Specific problem: CB INDETERMINATE OPERATIONAL FAILURE (87) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates that a failure of the controller board has been detected that cannot be described by any specific alarm.		
Remedial action: Reset the unit manually to attempt to clear the fault. If the problem persists then replace the controller board.		

Table 22-119 IK4004006 - CB OSC I2C FAULT

Alarm	Attributes	Applicable major NE releases
Name: IK4004006 (5204) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB OSC I2C FAULT (88) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates CB cannot tune the OSC		
Remedial action: Reset the CB or replace the OSC		

Table 22-120 IK4004007 - CB OSC OUT OF TUNE RANGE

Alarm	Attributes	Applicable major NE releases
Name: IK4004007 (5205) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB OSC OUT OF TUNE RANGE (89) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR14.1.L
Description: The OSC is close to its life cycle		
Remedial action: Replace the OSC		

Table 22-121 IK4004008 - CB SFP INCOMPATIBILITY CPRI PORT 4

Alarm	Attributes	Applicable major NE releases
Name: IK4004008 (5206) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: warning Specific problem: CB SFP INCOMPATIBILITY CPRI PORT 4 (90) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates that the equipped SFP doesn't allow to achieve the maximum CPRI rate allowed by SW.		
Remedial action: The operator may update the SFP on the BBU.		

Table 22-122 IK4004009 - CB FILE SYSTEM ACCESS FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4004009 (2186) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: CB FILE SYSTEM ACCESS FAILURE (91) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates the failure to access files in a partition of the CB file system.		
Impact: Software download is not possible.		
Remedial action: Reset the CB. If the alarm persists, replace the CB.		

Table 22-123 IK4004011 - CB FLYWHEEL CRITICAL

Alarm	Attributes	Applicable major NE releases
Name: IK4004011 (2187) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: critical Specific problem: CB FLYWHEEL CRITICAL (92) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: The timing reference source (e.g., GPS or 1588) has been unavailable for too long and timing may have drifted enough to cause RF violations.		
Impact: The LTE service is not possible.		
Remedial action: Check for reference source alarms: GPS RECEIVER (4004083);GPS 1PPS LOSS (4004065);LOSS OF SYNCE (4004160);PTP LOSS OF PRIMARY SYNC(4004162)		

Table 22-124 IK4004012 - CB FLYWHEEL MAJOR

Alarm	Attributes	Applicable major NE releases
Name: IK4004012 (2188) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: CB FLYWHEEL MAJOR (93) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: The timing reference source (e.g., GPS or 1588) has been unavailable for an extended time and timing may have drifted enough.		
Impact: If the alarm persists, it will impact the LTE service.		
Remedial action: Check for reference source alarms: GPS RECEIVER (4004083);GPS 1PPS LOSS (4004065);LOSS OF SYNCE (4004160);PTP LOSS OF PRIMARY SYNC(4004162)		

Table 22-125 IK4004013 - CB FLYWHEEL MINOR

Alarm	Attributes	Applicable major NE releases
Name: IK4004013 (2189) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB FLYWHEEL MINOR (94) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: The timing reference source (e.g., GPS or 1588) has been unavailable for an extended time and timing may have drifted enough.		
Impact: If the alarm persists, it will impact the LTE service.		
Remedial action: Check for reference source alarms: GPS RECEIVER (4004083);GPS 1PPS LOSS (4004065);LOSS OF SYNCE (4004160);PTP LOSS OF PRIMARY SYNC(4004162)		

Table 22-126 IK4004014 - CB FLYWHEEL START

Alarm	Attributes	Applicable major NE releases
Name: IK4004014 (2190) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: warning Specific problem: CB FLYWHEEL START (95) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: The timing reference source (e.g., GPS or 1588) is not available.		
Impact: If the alarm persists, it will impact the LTE service.		
Remedial action: Check for reference source alarms: GPS RECEIVER (4004083);GPS 1PPS LOSS (4004065);LOSS OF SYNCE (4004160);PTP LOSS OF PRIMARY SYNC(4004162)		

Table 22-127 IK4004018 - CB TRANS LSL CPRI PORT 1

Alarm	Attributes	Applicable major NE releases
Name: IK4004018 (2194) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB TRANS LSL CPRI PORT 1 (99) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: The incoming optical signal level for this CPRI port is very low.		
Impact: No impact on eNodeB.		
Remedial action: Check the CPRI link connections, cables, and SFPs and replace as necessary.		

Table 22-128 IK4004019 - CB TRANS LSL CPRI PORT 2

Alarm	Attributes	Applicable major NE releases
Name: IK4004019 (2195) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB TRANS LSL CPRI PORT 2 (100) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: The incoming optical signal level for this CPRI port is very low.		
Impact: No impact on eNodeB.		
Remedial action: Check the CPRI link connections, cables, and SFPs and replace as necessary.		

Table 22-129 IK4004020 - CB TRANS LSL CPRI PORT 3

Alarm	Attributes	Applicable major NE releases
Name: IK4004020 (2196) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB TRANS LSL CPRI PORT 3 (101) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: The incoming optical signal level for this CPRI port is very low.		
Impact: No impact on eNodeB.		
Remedial action: Check the CPRI link connections, cables, and SFPs and replace as necessary.		

Table 22-130 IK4004021 - CB TRANS LSL CPRI PORT 4

Alarm	Attributes	Applicable major NE releases
Name: IK4004021 (2197) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB TRANS LSL CPRI PORT 4 (102) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: The incoming optical signal level for this CPRI port is very low.		
Impact: No impact on eNodeB.		
Remedial action: Check the CPRI link connections, cables, and SFPs and replace as necessary.		

Table 22-131 IK4004022 - CB TRANS LSL CPRI PORT 5

Alarm	Attributes	Applicable major NE releases
Name: IK4004022 (2198) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB TRANS LSL CPRI PORT 5 (103) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: The incoming optical signal level for this CPRI port is very low.		
Impact: No impact on eNodeB.		
Remedial action: Check the CPRI link connections, cables, and SFPs and replace as necessary.		

Table 22-132 IK4004023 - CB TRANS LSL CPRI PORT 6

Alarm	Attributes	Applicable major NE releases
Name: IK4004023 (2199) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB TRANS LSL CPRI PORT 6 (104) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: The incoming optical signal level for this CPRI port is very low.		
Impact: No impact on eNodeB.		
Remedial action: Check the CPRI link connections, cables, and SFPs and replace as necessary.		

Table 22-133 IK4004024 - CB RAI CPRI PORT 1

Alarm	Attributes	Applicable major NE releases
Name: IK4004024 (2200) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: CB RAI CPRI PORT 1 (105) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: The first RFM on the CPRI port is reporting a CPRI link alarm.		
Impact: Impacts the LTE service.		
Remedial action: Check the CPRI link connections, cables, and SFPs and replace as necessary. Reset or replace CB if problem persists.		

Table 22-134 IK4004025 - CB RAI CPRIPORT 2

Alarm	Attributes	Applicable major NE releases
Name: IK4004025 (2201) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: CB RAI CPRIPORT 2 (106) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: The first RFM on the CPRI port is reporting a CPRI link alarm.		
Impact: Impacts the LTE service.		
Remedial action: Check the CPRI link connections, cables, and SFPs and replace as necessary. Reset or replace CB if problem persists.		

Table 22-135 IK4004026 - CB RAI CPRIPORT 3

Alarm	Attributes	Applicable major NE releases
Name: IK4004026 (2202) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: CB RAI CPRIPORT 3 (107) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: The first RFM on the CPRI port is reporting a CPRI link alarm.		
Impact: Impacts the LTE service.		
Remedial action: Check the CPRI link connections, cables, and SFPs and replace as necessary. Reset or replace CB if problem persists.		

Table 22-136 IK4004027 - CB RAI CPRIPORT 4

Alarm	Attributes	Applicable major NE releases
Name: IK4004027 (2203) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: CB RAI CPRIPORT 4 (108) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: The first RFM on the CPRI port is reporting a CPRI link alarm.		
Impact: Impacts the LTE service.		
Remedial action: Check the CPRI link connections, cables, and SFPs and replace as necessary. Reset or replace CB if problem persists.		

Table 22-137 IK4004028 - CB RAI CPRIPORT 5

Alarm	Attributes	Applicable major NE releases
Name: IK4004028 (2204) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: CB RAI CPRIPORT 5 (109) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: The first RFM on the CPRI port is reporting a CPRI link alarm.		
Impact: Impacts the LTE service.		
Remedial action: Check the CPRI link connections, cables, and SFPs and replace as necessary. Reset or replace CB if problem persists.		

Table 22-138 IK4004029 - CB RAI CPRIPORT 6

Alarm	Attributes	Applicable major NE releases
Name: IK4004029 (2205) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: CB RAI CPRIPORT 6 (110) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: The first RFM on the CPRI port is reporting a CPRI link alarm.		
Impact: Impacts the LTE service.		
Remedial action: Check the CPRI link connections, cables, and SFPs and replace as necessary. Reset or replace CB if problem persists.		

Table 22-139 IK4004030 - CB LOS LOF CPRIPORT 1

Alarm	Attributes	Applicable major NE releases
Name: IK4004030 (2206) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: CB LOS LOF CPRIPORT 1 (111) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates the CPRI link from the first RFM on this port has failed (Loss of signal and/or loss of framing)		
Impact: Impacts the LTE service.		
Remedial action: Check the CPRI link cable and SFPs (CB and RFM) for failures, otherwise reset the RFM or reset the CB		

Table 22-140 IK4004031 - CB LOS LOF CPRIPORT 2

Alarm	Attributes	Applicable major NE releases
Name: IK4004031 (2207) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: CB LOS LOF CPRIPORT 2 (112) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates the CPRI link from the first RFM on this port has failed (Loss of signal and/or loss of framing)		
Impact: Impacts the LTE service.		
Remedial action: Check the CPRI link cable and SFPs (CB and RFM) for failures, otherwise reset the RFM or reset the CB		

Table 22-141 IK4004032 - CB LOS LOF CPRIPORT 3

Alarm	Attributes	Applicable major NE releases
Name: IK4004032 (2208) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: CB LOS LOF CPRIPORT 3 (113) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates the CPRI link from the first RFM on this port has failed (Loss of signal and/or loss of framing)		
Impact: Impacts the LTE service.		
Remedial action: Check the CPRI link cable and SFPs (CB and RFM) for failures, otherwise reset the RFM or reset the CB		

Table 22-142 IK4004033 - CB LOS LOF CPRIPORT 4

Alarm	Attributes	Applicable major NE releases
Name: IK4004033 (2209) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: CB LOS LOF CPRIPORT 4 (114) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates the CPRI link from the first RFM on this port has failed (Loss of signal and/or loss of framing)		
Impact: Impacts the LTE service.		
Remedial action: Check the CPRI link cable and SFPs (CB and RFM) for failures, otherwise reset the RFM or reset the CB		

Table 22-143 IK4004034 - CB LOS LOF CPRIPORT 5

Alarm	Attributes	Applicable major NE releases
Name: IK4004034 (2210) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: CB LOS LOF CPRIPORT 5 (115) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates the CPRI link from the first RFM on this port has failed (Loss of signal and/or loss of framing)		
Impact: Impacts the LTE service.		
Remedial action: Check the CPRI link cable and SFPs (CB and RFM) for failures, otherwise reset the RFM or reset the CB		

Table 22-144 IK4004035 - CB LOS LOF CPRIPORT 6

Alarm	Attributes	Applicable major NE releases
Name: IK4004035 (2211) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: CB LOS LOF CPRIPORT 6 (116) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates the CPRI link from the first RFM on this port has failed (Loss of signal and/or loss of framing)		
Impact: Impacts the LTE service.		
Remedial action: Check the CPRI link cable and SFPs (CB and RFM) for failures, otherwise reset the RFM or reset the CB		

Table 22-145 IK4004036 - CB TRANS TX FAILURE CPRIPORT 1

Alarm	Attributes	Applicable major NE releases
Name: IK4004036 (2212) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: CB TRANS TX FAILURE CPRIPORT 1 (117) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a failure in the CB CPRI port transmitter.		
Impact: Impacts the LTE service.		
Remedial action: Replace the SFP for this port.		

Table 22-146 IK4004037 - CB TRANS TX FAILURE CPRI PORT 2

Alarm	Attributes	Applicable major NE releases
Name: IK4004037 (2213) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: CB TRANS TX FAILURE CPRI PORT 2 (118) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a failure in the CB CPRI port transmitter.		
Impact: Impacts the LTE service.		
Remedial action: Replace the SFP for this port.		

Table 22-147 IK4004038 - CB TRANS TX FAILURE CPRI PORT 3

Alarm	Attributes	Applicable major NE releases
Name: IK4004038 (2214) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: CB TRANS TX FAILURE CPRI PORT 3 (119) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a failure in the CB CPRI port transmitter.		
Impact: Impacts the LTE service.		
Remedial action: Replace the SFP for this port.		

Table 22-148 IK4004039 - CB TRANS TX FAILURE CPRI PORT 4

Alarm	Attributes	Applicable major NE releases
Name: IK4004039 (2215) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: CB TRANS TX FAILURE CPRI PORT 4 (120) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a failure in the CB CPRI port transmitter.		
Impact: Impacts the LTE service.		
Remedial action: Replace the SFP for this port.		

Table 22-149 IK4004040 - CB TRANS TX FAILURE CPRIPORT 5

Alarm	Attributes	Applicable major NE releases
Name: IK4004040 (2216) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: CB TRANS TX FAILURE CPRIPORT 5 (121) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a failure in the CB CPRI port transmitter.		
Impact: Impacts the LTE service.		
Remedial action: Replace the SFP for this port.		

Table 22-150 IK4004041 - CB TRANS TX FAILURE CPRIPORT 6

Alarm	Attributes	Applicable major NE releases
Name: IK4004041 (2217) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: CB TRANS TX FAILURE CPRIPORT 6 (122) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a failure in the CB CPRI port transmitter.		
Impact: Impacts the LTE service.		
Remedial action: Replace the SFP for this port.		

Table 22-151 IK4004042 - CB TRANS RX LOS CPRIPORT 1

Alarm	Attributes	Applicable major NE releases
Name: IK4004042 (2218) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB TRANS RX LOS CPRIPORT 1 (123) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: No CPRI signal is received at this CPRI port.		
Impact: No impact on eNodeB.		
Remedial action: Check the CPRI cable and connections, replace the SFP (RFM or CB end), verify the RFM is operating.		

Table 22-152 IK4004043 - CB TRANS RX LOS CPRI PORT 2

Alarm	Attributes	Applicable major NE releases
Name: IK4004043 (2219) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB TRANS RX LOS CPRI PORT 2 (124) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: No CPRI signal is received at this CPRI port.		
Impact: No impact on eNodeB.		
Remedial action: Check the CPRI cable and connections, replace the SFP (RFM or CB end), verify the RFM is operating.		

Table 22-153 IK4004044 - CB TRANS RX LOS CPRI PORT 3

Alarm	Attributes	Applicable major NE releases
Name: IK4004044 (2220) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB TRANS RX LOS CPRI PORT 3 (125) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: No CPRI signal is received at this CPRI port.		
Impact: No impact on eNodeB.		
Remedial action: Check the CPRI cable and connections, replace the SFP (RFM or CB end), verify the RFM is operating.		

Table 22-154 IK4004045 - CB TRANS RX LOS CPRI PORT 4

Alarm	Attributes	Applicable major NE releases
Name: IK4004045 (2221) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB TRANS RX LOS CPRI PORT 4 (126) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: No CPRI signal is received at this CPRI port.		
Impact: No impact on eNodeB.		
Remedial action: Check the CPRI cable and connections, replace the SFP (RFM or CB end), verify the RFM is operating.		

Table 22-155 IK4004046 - CB TRANS RX LOS CPRI PORT 5

Alarm	Attributes	Applicable major NE releases
Name: IK4004046 (2222) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB TRANS RX LOS CPRI PORT 5 (127) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: No CPRI signal is received at this CPRI port.		
Impact: No impact on eNodeB.		
Remedial action: Check the CPRI cable and connections, replace the SFP (RFM or CB end), verify the RFM is operating.		

Table 22-156 IK4004047 - CB TRANS RX LOS CPRI PORT 6

Alarm	Attributes	Applicable major NE releases
Name: IK4004047 (2223) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB TRANS RX LOS CPRI PORT 6 (128) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: No CPRI signal is received at this CPRI port.		
Impact: No impact on eNodeB.		
Remedial action: Check the CPRI cable and connections, replace the SFP (RFM or CB end), verify the RFM is operating.		

Table 22-157 IK4004054 - CB SDI CPRI PORT 1

Alarm	Attributes	Applicable major NE releases
Name: IK4004054 (2224) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB SDI CPRI PORT 1 (135) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: One or more data channels on this CPRI have failed.		
Impact: No impact on eNodeB.		
Remedial action: Reset RFM.		

Table 22-158 IK4004055 - CB SDI CPRIPORT 2

Alarm	Attributes	Applicable major NE releases
Name: IK4004055 (2225) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB SDI CPRIPORT 2 (136) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: One or more data channels on this CPRI have failed.		
Impact: No impact on eNodeB.		
Remedial action: Reset RFM.		

Table 22-159 IK4004056 - CB SDI CPRIPORT 3

Alarm	Attributes	Applicable major NE releases
Name: IK4004056 (2226) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB SDI CPRIPORT 3 (137) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: One or more data channels on this CPRI have failed.		
Impact: No impact on eNodeB.		
Remedial action: Reset RFM.		

Table 22-160 IK4004057 - CB SDI CPRIPORT 4

Alarm	Attributes	Applicable major NE releases
Name: IK4004057 (2227) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB SDI CPRIPORT 4 (138) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: One or more data channels on this CPRI have failed.		
Impact: No impact on eNodeB.		
Remedial action: Reset RFM.		

Table 22-161 IK4004058 - CB SDI CPRIPORT 5

Alarm	Attributes	Applicable major NE releases
Name: IK4004058 (2228) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB SDI CPRIPORT 5 (139) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: One or more data channels on this CPRI have failed.		
Impact: No impact on eNodeB.		
Remedial action: Reset RFM.		

Table 22-162 IK4004059 - CB SDI CPRIPORT 6

Alarm	Attributes	Applicable major NE releases
Name: IK4004059 (2229) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB SDI CPRIPORT 6 (140) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: One or more data channels on this CPRI have failed.		
Impact: No impact on eNodeB.		
Remedial action: Reset RFM.		

Table 22-163 IK4004061 - CB ALL CPRIPORTS FAILED

Alarm	Attributes	Applicable major NE releases
Name: IK4004061 (2231) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: critical Specific problem: CB ALL CPRIPORTS FAILED (142) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates the failure of all CPRI ports.		
Impact: The LTE service is not possible.		
Remedial action: Reset CB using the remote connection to NEM. If the alarm persists, replace the CB.		

Table 22-164 IK4004065 - CB GPS 1PPS LOSS

Alarm	Attributes	Applicable major NE releases
Name: IK4004065 (2235) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: CB GPS 1PPS LOSS (146) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates the loss of GPS receiver 1PPS signal.		
Impact: eNodeB uses a lower priority clock reference source or goes into holdover.		
Remedial action: Check GPS signal, GPS antenna, external GPS receiver if present. If fault persist, call next level of support		

Table 22-165 IK4004066 - CB TRANS LSL BHPORT 1

Alarm	Attributes	Applicable major NE releases
Name: IK4004066 (2236) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB TRANS LSL BHPORT 1 (147) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that the received optical signal level is very low on the backhaul port.		
Impact: No impact on eNodeB.		
Remedial action: Check the CPRI cable and SFPs at CB and RFM.		

Table 22-166 IK4004067 - CB TRANS LSL BHPORT 2

Alarm	Attributes	Applicable major NE releases
Name: IK4004067 (2237) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB TRANS LSL BHPORT 2 (148) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that the received optical signal level is very low on the backhaul port.		
Impact: No impact on eNodeB.		
Remedial action: Check the CPRI cable and SFPs at CB and RFM.		

Table 22-167 IK4004072 - CB OSC IN WARMUP

Alarm	Attributes	Applicable major NE releases
Name: IK4004072 (2238) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: CB OSC IN WARMUP (149) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LT6.0
Description: This alarm indicates the CB timing oscillator is below its operating temperature range.		
Impact: The LTE service is not possible during the warm up of the oscillator module.		
Remedial action: Wait for the oscillator module to warm up, worst case delay is 12 minutes at -5 Degree C cold start.. If the alarm persists and ambient temperature is within normal operating range then replace the CB.		

Table 22-168 IK4004073 - CB OSC OVER TEMP

Alarm	Attributes	Applicable major NE releases
Name: IK4004073 (2239) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: CB OSC OVER TEMP (150) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that the CB timing oscillator temperature is above the specification limit.		
Impact: The LTE performance is low.		
Remedial action: Check for proper fan operation and that fan is compatible with modem unit, check DBU inlet temperature is within operating range. Replace the CB if necessary.		

Table 22-169 IK4004075 - CB SYSTEM CLOCK UNAVAILABLE

Alarm	Attributes	Applicable major NE releases
Name: IK4004075 (2241) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: critical Specific problem: CB SYSTEM CLOCK UNAVAILABLE (151) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that the system clock is not available. The alarm is applicable for 1588 system clock, syncE, GPS and external reference sources.		
Impact: Impacts the LTE service.		
Remedial action: Check the synchronization sources and provisioning.		

Table 22-170 IK4004076 - CB LOSS OF PRIMARY REFERENCE

Alarm	Attributes	Applicable major NE releases
Name: IK4004076 (2242) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: CB LOSS OF PRIMARY REFERENCE (152) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LT6.0
Description: This alarm indicates that the primary reference source is not available.		
Impact: If the reference resource is immediately rectified, there is no impact on eNodeB.		
Remedial action: Check the primary reference source.		

Table 22-171 IK4004082 - CB GPS ANT

Alarm	Attributes	Applicable major NE releases
Name: IK4004082 (2248) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: CB GPS ANT (153) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a GPS antenna failure.		
Impact: If the reference resource is immediately rectified, there is no impact on eNodeB.		
Remedial action: Check the GPS antenna.		

Table 22-172 IK4004083 - CB GPS RECEIVER

Alarm	Attributes	Applicable major NE releases
Name: IK4004083 (2249) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: CB GPS RECEIVER (154) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: The GPS receiver has failed and cannot provide a timing reference signal.		
Impact: If the reference resource is immediately rectified, there is no impact on eNodeB.		
Remedial action: Ensure that eNodeB has completed initialization. Check the cable connection to the External GPS Receiver if equipped, replace receiver if necessary. If internal receiver then replace the CB.		

Table 22-173 IK4004091 - CB LOS LOF HSIQPORT 1

Alarm	Attributes	Applicable major NE releases
Name: IK4004091 (2251) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB LOS LOF HSIQPORT 1 (155) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a loss of signal between BB and CB.		
Impact: No impact on eNodeB.		
Remedial action: Replace the BB if a single port fault is present. If link faults exist across multiple ports then replace the CB.		

Table 22-174 IK4004092 - CB LOS LOF HSIQPORT 2

Alarm	Attributes	Applicable major NE releases
Name: IK4004092 (2252) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB LOS LOF HSIQPORT 2 (156) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a loss of signal between BB and CB.		
Impact: No impact on eNodeB.		
Remedial action: Replace the BB if a single port fault is present. If link faults exist across multiple ports then replace the CB.		

Table 22-175 IK4004093 - CB LOS LOF HSIQPORT 3

Alarm	Attributes	Applicable major NE releases
Name: IK4004093 (2253) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB LOS LOF HSIQPORT 3 (157) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a loss of signal between BB and CB.		
Impact: No impact on eNodeB.		
Remedial action: Replace the BB if a single port fault is present. If link faults exist across multiple ports then replace the CB.		

Table 22-176 IK4004094 - CB LOS LOF HSIQPORT 4

Alarm	Attributes	Applicable major NE releases
Name: IK4004094 (2254) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB LOS LOF HSIQPORT 4 (158) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a loss of signal between BB and CB.		
Impact: No impact on eNodeB.		
Remedial action: Replace the BB if a single port fault is present. If link faults exist across multiple ports then replace the CB.		

Table 22-177 IK4004095 - CB LOS LOF HSIQPORT 5

Alarm	Attributes	Applicable major NE releases
Name: IK4004095 (2255) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB LOS LOF HSIQPORT 5 (159) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a loss of signal between BB and CB.		
Impact: No impact on eNodeB.		
Remedial action: Replace the BB if a single port fault is present. If link faults exist across multiple ports then replace the CB.		

Table 22-178 IK4004096 - CB LOS LOF HSIQPORT 6

Alarm	Attributes	Applicable major NE releases
Name: IK4004096 (2256) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB LOS LOF HSIQPORT 6 (160) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a loss of signal between BB and CB.		
Impact: No impact on eNodeB.		
Remedial action: Replace the BB if a single port fault is present. If link faults exist across multiple ports then replace the CB.		

Table 22-179 IK4004097 - CB LOS LOF HSIQPORT 7

Alarm	Attributes	Applicable major NE releases
Name: IK4004097 (2257) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB LOS LOF HSIQPORT 7 (161) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a loss of signal between BB and CB.		
Impact: No impact on eNodeB.		
Remedial action: Replace the BB if a single port fault is present. If link faults exist across multiple ports then replace the CB.		

Table 22-180 IK4004098 - CB LOS LOF HSIQPORT 8

Alarm	Attributes	Applicable major NE releases
Name: IK4004098 (2258) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB LOS LOF HSIQPORT 8 (162) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a loss of signal between BB and CB.		
Impact: No impact on eNodeB.		
Remedial action: Replace the BB if a single port fault is present. If link faults exist across multiple ports then replace the CB.		

Table 22-181 IK4004099 - CB LOS LOF HSIQPORT 9

Alarm	Attributes	Applicable major NE releases
Name: IK4004099 (2259) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB LOS LOF HSIQPORT 9 (163) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a loss of signal between BB and CB.		
Impact: No impact on eNodeB.		
Remedial action: Replace the BB if a single port fault is present. If link faults exist across multiple ports then replace the CB.		

Table 22-182 IK4004100 - CB LOS LOF HSIQPORT 10

Alarm	Attributes	Applicable major NE releases
Name: IK4004100 (2260) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB LOS LOF HSIQPORT 10 (164) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a loss of signal between BB and CB.		
Impact: No impact on eNodeB.		
Remedial action: Replace the BB if a single port fault is present. If link faults exist across multiple ports then replace the CB.		

Table 22-183 IK4004101 - CB LOS LOF HSIQPORT 11

Alarm	Attributes	Applicable major NE releases
Name: IK4004101 (2261) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB LOS LOF HSIQPORT 11 (165) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a loss of signal between BB and CB.		
Impact: No impact on eNodeB.		
Remedial action: Replace the BB if a single port fault is present. If link faults exist across multiple ports then replace the CB.		

Table 22-184 IK4004102 - CB LOS LOF HSIQPORT 12

Alarm	Attributes	Applicable major NE releases
Name: IK4004102 (2262) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB LOS LOF HSIQPORT 12 (166) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a loss of signal between BB and CB.		
Impact: No impact on eNodeB.		
Remedial action: Replace the BB if a single port fault is present. If link faults exist across multiple ports then replace the CB.		

Table 22-185 IK4004104 - CB GPS RECEIVER COMM FAIL

Alarm	Attributes	Applicable major NE releases
Name: IK4004104 (2263) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: CB GPS RECEIVER COMM FAIL (167) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: The CB cannot communicate with the GPS receiver.		
Impact: If the reference resource is immediately rectified, there is no impact on eNodeB.		
Remedial action: Ensure that eNodeB has completed initialization. Check the cable connection to the External GPS Receiver if equipped, replace receiver if necessary. If internal receiver then replace the CB.		

Table 22-186 IK4004107 - CB SFP INCOMPATIBILITY CPRI PORT 1

Alarm	Attributes	Applicable major NE releases
Name: IK4004107 (2266) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: warning Specific problem: CB SFP INCOMPATIBILITY CPRI PORT 1 (168) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR14.1.L
Description: This alarm indicates that the equipped SFP doesn't allow to achieve the maximum CPRI rate allowed by SW.		
Remedial action: The operator may update the SFP on the BBU.		

Table 22-187 IK4004117 - CB OVER TEMP MAJOR

Alarm	Attributes	Applicable major NE releases
Name: IK4004117 (2276) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: CB OVER TEMP MAJOR (169) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates the CB temperature is rising near the shutdown limit.		
Impact: If the alarm persists, it will impact the LTE service.		
Remedial action: Check for fan failure or high ambient temperature.		

Table 22-188 IK4004118 - CB OVER TEMP CRITICAL

Alarm	Attributes	Applicable major NE releases
Name: IK4004118 (2277) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.CBCardSpecifics	Severity: critical Specific problem: CB OVER TEMP CRITICAL (170) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates the CB temperature is above the operating range.		
Impact: The LTE service is still possible until auto shutdown.		
Remedial action: CB autonomously powers down. Check for fan failure or high ambient temperature.		

Table 22-189 IK4004126 - CB FAILURE SLAVE SOC 2

Alarm	Attributes	Applicable major NE releases
Name: IK4004126 (2285) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.CBCardSpecifics	Severity: critical Specific problem: CB FAILURE SLAVE SOC 2 (171) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR14.1.L
Description: This alarm indicates a failure of a Slave SOC.		
Remedial action: Reset the CB manually to attempt to clear the fault. Replace the controller board if the problem persists.		

Table 22-190 IK4004127 - CB FAILURE SLAVE SOC 3

Alarm	Attributes	Applicable major NE releases
Name: IK4004127 (2286) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.CBCardSpecifics	Severity: critical Specific problem: CB FAILURE SLAVE SOC 3 (172) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR14.1.L
Description: This alarm indicates a failure of a Slave SOC.		
Remedial action: Reset the CB manually to attempt to clear the fault. Replace the controller board if the problem persists.		

Table 22-191 IK4004128 - CB CARD FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4004128 (2287) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: critical Specific problem: CB CARD FAILURE (173) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates a failure of controller board.		
Remedial action: Reset the CB manually to attempt to clear the fault. Replace the controller board if the problem persists		

Table 22-192 IK4004129 - CB SFP INCOMPATIBILITY CPRI PORT 2

Alarm	Attributes	Applicable major NE releases
Name: IK4004129 (2288) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: warning Specific problem: CB SFP INCOMPATIBILITY CPRI PORT 2 (174) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates that the equipped SFP doesn't allow to achieve the maximum CPRI rate allowed by SW.		
Remedial action: The operator may update the SFP on the BBU.		

Table 22-193 IK4004130 - CB SFP1 I2C FAULT

Alarm	Attributes	Applicable major NE releases
Name: IK4004130 (2289) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB SFP1 I2C FAULT (175) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates CB cannot read info of SFP 1 through I2C		
Remedial action: Reset the CB or replace the SFP		

Table 22-194 IK4004131 - CB SFP2 I2C FAULT

Alarm	Attributes	Applicable major NE releases
Name: IK4004131 (2290) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB SFP2 I2C FAULT (176) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates CB cannot read info of SFP 2 through I2C		
Remedial action: Reset the CB or replace the SFP		

Table 22-195 IK4004132 - CB SFP3 I2C FAULT

Alarm	Attributes	Applicable major NE releases
Name: IK4004132 (2291) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB SFP3 I2C FAULT (177) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates CB cannot read info of SFP 3 through I2C		
Remedial action: Reset the CB or replace the SFP		

Table 22-196 IK4004133 - CB SFP4 I2C FAULT

Alarm	Attributes	Applicable major NE releases
Name: IK4004133 (2292) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB SFP4 I2C FAULT (178) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates CB cannot read info of SFP 4 through I2C		
Remedial action: Reset the CB or replace the SFP		

Table 22-197 IK4004134 - CB SFP5 I2C FAULT

Alarm	Attributes	Applicable major NE releases
Name: IK4004134 (2293) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB SFP5 I2C FAULT (179) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates CB cannot read info of SFP 5 through I2C		
Remedial action: Reset the CB or replace the SFP		

Table 22-198 IK4004135 - CB SFP6 I2C FAULT

Alarm	Attributes	Applicable major NE releases
Name: IK4004135 (2294) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB SFP6 I2C FAULT (180) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates CB cannot read info of SFP 6 through I2C		
Remedial action: Reset the CB or replace the SFP		

Table 22-199 IK4004136 - CB GPS LOCK FAILURE CRITICAL

Alarm	Attributes	Applicable major NE releases
Name: IK4004136 (2295) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: critical Specific problem: CB GPS LOCK FAILURE CRITICAL (181) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LT6.0
Description: This alarm indicates that GPS satellite lock has been lost prior to achieving the synchronization		
Impact: The LTE service is not possible.		
Remedial action: Check the GPS antenna placement, GPS antenna status, or GPS antenna cable. Replace the External GPS Receiver or CB (if using internal GPS receiver).		

Table 22-200 IK4004137 - CB GPS LOCK FAILURE MAJOR

Alarm	Attributes	Applicable major NE releases
Name: IK4004137 (2296) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: CB GPS LOCK FAILURE MAJOR (182) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LT6.0
Description: This alarm indicates that GPS satellite lock has been lost after timing has been synchronized.		
Impact: If the alarm persists, it will impact the LTE service.		
Remedial action: Check the GPS antenna placement, GPS antenna status, or GPS antenna cable. Replace the External GPS Receiver or CB (if using internal GPS receiver).		

Table 22-201 IK4004138 - CB SFP7 I2C FAULT

Alarm	Attributes	Applicable major NE releases
Name: IK4004138 (2297) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB SFP7 I2C FAULT (183) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates CB cannot read info of SFP 7 through I2C		
Remedial action: Reset the CB or replace the SFP		

Table 22-202 IK4004139 - CB SFP8 I2C FAULT

Alarm	Attributes	Applicable major NE releases
Name: IK4004139 (2298) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB SFP8 I2C FAULT (184) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates CB cannot read info of SFP 8 through I2C		
Remedial action: Reset the CB or replace the SFP		

Table 22-203 IK4004140 - CB TOD OUT OF SYNC

Alarm	Attributes	Applicable major NE releases
Name: IK4004140 (2299) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB TOD OUT OF SYNC (185) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that the GPS timing pulses may be missing or incorrect.		
Impact: No impact on eNodeB.		
Remedial action: Replace the External GPS Receiver or CB (if using internal GPS receiver).		

Table 22-204 IK4004141 - CB PTP LOSS OF PRIMARY SYNCHRONIZATION

Alarm	Attributes	Applicable major NE releases
Name: IK4004141 (2986) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: CB PTP LOSS OF PRIMARY SYNCHRONIZATION (186) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LT6.0
Description: This alarm indicates a loss of synchronization with the primary 1588 grandmaster server.		
Impact: If the alarm persists, it will impact the LTE service.		
Remedial action: Check configuration of link to 1588 Grandmaster is correct. If problem persists check the packet delay variation on the eNb backhaul interface.		

Table 22-205 IK4004142 - CB PTP LOSS OF SECONDARY SYNCHRONIZATION

Alarm	Attributes	Applicable major NE releases
Name: IK4004142 (2987) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: CB PTP LOSS OF SECONDARY SYNCHRONIZATION (187) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LT6.0
Description: This alarm indicates a loss of synchronization with the secondary 1588 grandmaster server.		
Impact: If the alarm persists, it will impact the LTE service.		
Remedial action: Check configuration of link to 1588 Grandmaster is correct. If problem persists check the packet delay variation on the eNb backhaul interface.		

Table 22-206 IK4004143 - CB SFP9 I2C FAULT

Alarm	Attributes	Applicable major NE releases
Name: IK4004143 (5207) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB SFP9 I2C FAULT (188) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR14.1.L
Description: This alarm indicates CB cannot read info of SFP through I2C		
Remedial action: Reset the CB or replace the SFP		

Table 22-207 IK4004144 - CB FAULT 1

Alarm	Attributes	Applicable major NE releases
Name: IK4004144 (2988) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB FAULT 1 (189) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. Unspecified CB fault detected		
Impact: Check the additional info for impact details.		
Remedial action: Check the additional information for maintenance action details.		

Table 22-208 IK4004145 - CB FAULT 2

Alarm	Attributes	Applicable major NE releases
Name: IK4004145 (2989) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB FAULT 2 (190) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. Unspecified CB fault detected		
Impact: Check the additional info for impact details.		
Remedial action: Check the additional information for maintenance action details.		

Table 22-209 IK4004146 - CB FAULT 3

Alarm	Attributes	Applicable major NE releases
Name: IK4004146 (2990) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB FAULT 3 (191) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. Unspecified CB fault detected		
Impact: Check the additional info for impact details.		
Remedial action: Check the additional information for maintenance action details.		

Table 22-210 IK4004147 - CB FAULT 4

Alarm	Attributes	Applicable major NE releases
Name: IK4004147 (2991) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB FAULT 4 (192) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. Unspecified CB fault detected		
Impact: Check the additional info for impact details.		
Remedial action: Check the additional information for maintenance action details.		

Table 22-211 IK4004148 - CB FAULT 5

Alarm	Attributes	Applicable major NE releases
Name: IK4004148 (2992) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB FAULT 5 (193) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. Unspecified CB fault detected		
Impact: Check the additional info for impact details.		
Remedial action: Check the additional information for maintenance action details.		

Table 22-212 IK4004150 - CB GPS INSUFFICIENT FIXED SATELLITES

Alarm	Attributes	Applicable major NE releases
Name: IK4004150 (2994) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: critical Specific problem: CB GPS INSUFFICIENT FIXED SATELLITES (195) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LT6.0
Description: This alarm indicates that insufficient fixed satellites are available to get GPS synchronization.		
Impact: The GPS synchronisation is not possible.		
Remedial action: Check the GPS antenna location and status. Replace GPS antenna, cable or receiver if necessary.		

Table 22-213 IK4004151 - CB GPS INSUFFICIENT VISIBLE SATELLITES

Alarm	Attributes	Applicable major NE releases
Name: IK4004151 (2995) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: critical Specific problem: CB GPS INSUFFICIENT VISIBLE SATELLITES (196) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LT6.0
Description: This alarm indicates that insufficient visible satellites are available to get GPS synchronization.		
Impact: The GPS synchronisation is not possible.		
Remedial action: Check the GPS antenna location and status. Replace GPS antenna, cable or receiver if necessary.		

Table 22-214 IK4004152 - CB SFP INCOMPATIBILITY CPRI PORT 3

Alarm	Attributes	Applicable major NE releases
Name: IK4004152 (2996) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: warning Specific problem: CB SFP INCOMPATIBILITY CPRI PORT 3 (197) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates that the equipped SFP doesn't allow to achieve the maximum CPRI rate allowed by SW.		
Remedial action: The operator may update the SFP on the BBU.		

Table 22-215 IK4004153 - CB INIT GPS SELF SURVEY INPROGRESS

Alarm	Attributes	Applicable major NE releases
Name: IK4004153 (2997) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: warning Specific problem: CB INIT GPS SELF SURVEY INPROGRESS (198) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a high accuracy GPS survey is in progress.		
Impact: No impact on eNodeB.		
Remedial action: Wait. If the alarm persists beyond 10 hours, call the next level of support.		

Table 22-216 IK4004154 - CB LOOPBACK INACTIVITY

Alarm	Attributes	Applicable major NE releases
Name: IK4004154 (2998) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: warning Specific problem: CB LOOPBACK INACTIVITY (199) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates there is no packet activity for the interval specified in the loopback activation.		
Impact: No impact on eNodeB.		
Remedial action: Reset the CB. Call the next level of support		

Table 22-217 IK4004155 - CB PTP CLIENT INITIALIZING 1

Alarm	Attributes	Applicable major NE releases
Name: IK4004155 (3637) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: warning Specific problem: CB PTP CLIENT INITIALIZING 1 (200) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that the 1588 client algorithm is stabilizing from a cold start-up, when the 1588 message transfer is set to Continuous mode. This alarm is inhibited when the 1588 message transfer is in Discontinuous mode.		
Impact: If the reference resource is immediately rectified, there is no impact on eNodeB.		
Remedial action: If alarm continues assess the Packet delay variation on the Network Interface.		

Table 22-218 IK4004156 - CB PTP CLIENT INITIALIZING 2

Alarm	Attributes	Applicable major NE releases
Name: IK4004156 (3638) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: warning Specific problem: CB PTP CLIENT INITIALIZING 2 (201) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that the 1588 client algorithm is stabilizing from a cold start-up, when the 1588 message transfer is set to Continuous mode. This alarm is inhibited when the 1588 message transfer is in Discontinuous mode.		
Impact: If the reference resource is immediately rectified, there is no impact on eNodeB.		
Remedial action: If alarm continues assess the Packet delay variation on the Network Interface.		

Table 22-219 IK4004157 - CB GPS LOCK FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4004157 (3639) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB GPS LOCK FAILURE (202) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that GPS satellite lock has been lost after timing has been synchronized.		
Impact: If the alarm persists, it will impact the LTE service.		
Remedial action: Check the GPS antenna placement, GPS antenna status, or GPS antenna cable. Replace the External GPS Receiver or CB (if using internal GPS receiver).		

Table 22-220 IK4004158 - CB OSC IN WARMUP

Alarm	Attributes	Applicable major NE releases
Name: IK4004158 (3640) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: warning Specific problem: CB OSC IN WARMUP (149) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates the CB timing oscillator is below its operating temperature range.		
Impact: The LTE service is not possible during the warm up of the oscillator module.		
Remedial action: Wait for the oscillator module to warm up, worst case delay is 12 minutes at -5 Degree C cold start.. If the alarm persists and ambient temperature is within normal operating range then replace the CB.		

Table 22-221 IK4004159 - CB LOSS OF PRIMARY REFERENCE

Alarm	Attributes	Applicable major NE releases
Name: IK4004159 (3641) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB LOSS OF PRIMARY REFERENCE (152) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that the primary reference source is not available.		
Impact: If the reference resource is immediately rectified, there is no impact on eNodeB.		
Remedial action: Check the primary reference source.		

Table 22-222 IK4004160 - CB LOSS OF SYNCE

Alarm	Attributes	Applicable major NE releases
Name: IK4004160 (3642) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB LOSS OF SYNCE (203) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: The SyncE timing reference is not available.		
Impact: If the reference resource is immediately rectified, there is no impact on eNodeB.		
Remedial action: The Backhaul Node connecting to the eNB cannot supply an accurate Synchronous Ethernet clock. Check the clock source on this Backhaul Node.		

Table 22-223 IK4004161 - CB GPS ANT POSITION UNKNOWN

Alarm	Attributes	Applicable major NE releases
Name: IK4004161 (3643) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB GPS ANT POSITION UNKNOWN (204) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LT6.0
Description: This alarm indicates a failure to detect the GPS antenna position.		
Impact: Impacts the location-based service.		
Remedial action: Check the position of the GPS antenna.		

Table 22-224 IK4004162 - CB PTP LOSS OF PRIMARY SYNCHRONIZATION

Alarm	Attributes	Applicable major NE releases
Name: IK4004162 (3644) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB PTP LOSS OF PRIMARY SYNCHRONIZATION (186) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates a loss of synchronization with the primary 1588 grandmaster server, when the 1588 message transfer is set to Continuous mode. This alarm is inhibited when the 1588 message transfer is in Discontinuous mode.		
Impact: If the alarm persists, it will impact the LTE service.		
Remedial action: Check configuration of link to 1588 Grandmaster is correct. If problem persists check the packet delay variation on the eNb backhaul interface.		

Table 22-225 IK4004163 - CB PTP LOSS OF SECONDARY SYNCHRONIZATION

Alarm	Attributes	Applicable major NE releases
Name: IK4004163 (3645) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB PTP LOSS OF SECONDARY SYNCHRONIZATION (187) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates a loss of synchronization with the secondary 1588 grandmaster server, when the 1588 message transfer is set to Continuous mode. This alarm is inhibited when the 1588 message transfer is in Discontinuous mode.		
Impact: If the alarm persists, it will impact the LTE service.		
Remedial action: Check configuration of link to 1588 Grandmaster is correct. If problem persists check the packet delay variation on the eNb backhaul interface.		

Table 22-226 IK4004164 - CB PTP UNEXPECTED LONG INITIALIZATION

Alarm	Attributes	Applicable major NE releases
Name: IK4004164 (3646) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB PTP UNEXPECTED LONG INITIALIZATION (205) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that 1588 client has taken longer than expected to achieve complete synchronization. When the 1588 message transfer is set to Discontinuous mode and the , this alarm indicates lock has not been obtained in a message transfer session before the next timed session, when the session length is defined by gaining Lock.		

(1 of 2)

22 – Alcatel-Lucent 9xxx eNodeB alarms

Alarm	Attributes	Applicable major NE releases
Impact: The LTE service is not possible with 1588 PTP as synchronization reference. However, the eNB may synchronize to an alternative available source.		
Remedial action: Verify 1588 grandmaster is operating correctly, check network conditions, otherwise reset the CB. Note: if eNB has synchronized to an alternative available source, then reset of CB will be service impacting.		

(2 of 2)

Table 22-227 IK4004165 - CB INIT GPS SELF SURVEY

Alarm	Attributes	Applicable major NE releases
Name: IK4004165 (3647) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.CBCardSpecifics	Severity: warning Specific problem: CB INIT GPS SELF SURVEY (206) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LT6.0
Description: This alarm indicates a high accuracy GPS survey has not been successfully completed after 24 hours.		
Impact: Synchronization accuracy too low to support OTDOA.		
Remedial action: Check GPS receiver.		

Table 22-228 IK4004166 - CB GPS INSUFFICIENT FIXED SATELLITES

Alarm	Attributes	Applicable major NE releases
Name: IK4004166 (3648) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.CBCardSpecifics	Severity: minor Specific problem: CB GPS INSUFFICIENT FIXED SATELLITES (195) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR13.1 LR13.3 LR14.1.L
Description: This alarm indicates that insufficient fixed satellites are available to get GPS synchronization.		
Impact: The GPS synchronisation is not possible.		
Remedial action: Check the GPS antenna location and status. Replace GPS antenna, cable or receiver if necessary.		

Table 22-229 IK4004167 - CB GPS INSUFFICIENT VISIBLE SATELLITES

Alarm	Attributes	Applicable major NE releases
Name: IK4004167 (3649) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.CBCardSpecifics	Severity: warning Specific problem: CB GPS INSUFFICIENT VISIBLE SATELLITES (196) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that insufficient visible satellites are available to get GPS synchronization.		
Impact: The GPS synchronisation is not possible.		
Remedial action: Check the GPS antenna location and status. Replace GPS antenna, cable or receiver if necessary.		

Table 22-230 IK4004170 - CB INIT GPS SELF SURVEY

Alarm	Attributes	Applicable major NE releases
Name: IK4004170 (3752) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.CBCardSpecifics	Severity: warning Specific problem: CB INIT GPS SELF SURVEY (206) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates a high accuracy GPS survey has not been successfully completed after 24 hours.		
Impact: Synchronization accuracy too low to support OTDOA.		
Remedial action: Check GPS receiver.		

Table 22-231 IK4004171 - CB INDETERMINATE OPERATIONAL FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4004171 (3753) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.CBCardSpecifics	Severity: critical Specific problem: CB INDETERMINATE OPERATIONAL FAILURE (87) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3
Description: This alarm indicates that a failure of the controller board has been detected that cannot be described by any specific alarm.		
Impact: Operation of the eNodeB is interrupted as the controller board resets.		
Remedial action: Reset the unit manually to attempt to clear the fault. If the problem persists then replace the controller board.		

Table 22-232 IK4004172 - CB TRANS LSL CPRI PORT 7

Alarm	Attributes	Applicable major NE releases
Name: IK4004172 (4632) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB TRANS LSL CPRI PORT 7 (208) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: The incoming optical signal level for this CPRI port is very low.		
Impact: No impact on eNodeB.		
Remedial action: Check the CPRI link connections, cables, and SFPs and replace as necessary.		

Table 22-233 IK4004173 - CB TRANS LSL CPRI PORT 8

Alarm	Attributes	Applicable major NE releases
Name: IK4004173 (4633) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB TRANS LSL CPRI PORT 8 (209) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: The incoming optical signal level for this CPRI port is very low.		
Impact: No impact on eNodeB.		
Remedial action: Check the CPRI link connections, cables, and SFPs and replace as necessary.		

Table 22-234 IK4004174 - CB TRANS LSL CPRI PORT 9

Alarm	Attributes	Applicable major NE releases
Name: IK4004174 (4634) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB TRANS LSL CPRI PORT 9 (210) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: The incoming optical signal level for this CPRI port is very low.		
Impact: No impact on eNodeB.		
Remedial action: Check the CPRI link connections, cables, and SFPs and replace as necessary.		

Table 22-235 IK4004175 - CB RAI CPRIPORT 7

Alarm	Attributes	Applicable major NE releases
Name: IK4004175 (4635) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: CB RAI CPRIPORT 7 (211) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: The first RFM on the CPRI port is reporting a CPRI link alarm.		
Impact: Impacts the LTE service.		
Remedial action: Check the CPRI link connections, cables, and SFPs and replace as necessary. Reset or replace CB if problem persists.		

Table 22-236 IK4004176 - CB RAI CPRIPORT 8

Alarm	Attributes	Applicable major NE releases
Name: IK4004176 (4636) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: CB RAI CPRIPORT 8 (212) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: The first RFM on the CPRI port is reporting a CPRI link alarm.		
Impact: Impacts the LTE service.		
Remedial action: Check the CPRI link connections, cables, and SFPs and replace as necessary. Reset or replace CB if problem persists.		

Table 22-237 IK4004177 - CB RAI CPRIPORT 9

Alarm	Attributes	Applicable major NE releases
Name: IK4004177 (4637) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: CB RAI CPRIPORT 9 (213) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: The first RFM on the CPRI port is reporting a CPRI link alarm.		
Impact: Impacts the LTE service.		
Remedial action: Check the CPRI link connections, cables, and SFPs and replace as necessary. Reset or replace CB if problem persists.		

Table 22-238 IK4004178 - CB LOS LOF CPRIPORT 7

Alarm	Attributes	Applicable major NE releases
Name: IK4004178 (4638) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: CB LOS LOF CPRIPORT 7 (214) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates the CPRI link from the first RFM on this port has failed (Loss of signal and/or loss of framing)		
Impact: Impacts the LTE service.		
Remedial action: Check the CPRI link cable and SFPs (CB and RFM) for failures, otherwise reset the RFM or reset the CB		

Table 22-239 IK4004179 - CB LOS LOF CPRIPORT 8

Alarm	Attributes	Applicable major NE releases
Name: IK4004179 (4639) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: CB LOS LOF CPRIPORT 8 (215) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates the CPRI link from the first RFM on this port has failed (Loss of signal and/or loss of framing)		
Impact: Impacts the LTE service.		
Remedial action: Check the CPRI link cable and SFPs (CB and RFM) for failures, otherwise reset the RFM or reset the CB		

Table 22-240 IK4004180 - CB LOS LOF CPRIPORT 9

Alarm	Attributes	Applicable major NE releases
Name: IK4004180 (4640) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: CB LOS LOF CPRIPORT 9 (216) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates the CPRI link from the first RFM on this port has failed (Loss of signal and/or loss of framing)		
Impact: Impacts the LTE service.		
Remedial action: Check the CPRI link cable and SFPs (CB and RFM) for failures, otherwise reset the RFM or reset the CB		

Table 22-241 IK4004181 - CB TRANS TX FAILURE CPRI PORT 7

Alarm	Attributes	Applicable major NE releases
Name: IK4004181 (4641) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: CB TRANS TX FAILURE CPRI PORT 7 (217) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates a failure in the CB CPRI port transmitter.		
Impact: Impacts the LTE service.		
Remedial action: Replace the SFP for this port.		

Table 22-242 IK4004182 - CB TRANS TX FAILURE CPRI PORT 8

Alarm	Attributes	Applicable major NE releases
Name: IK4004182 (4642) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: CB TRANS TX FAILURE CPRI PORT 8 (218) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates a failure in the CB CPRI port transmitter.		
Impact: Impacts the LTE service.		
Remedial action: Replace the SFP for this port.		

Table 22-243 IK4004183 - CB TRANS TX FAILURE CPRI PORT 9

Alarm	Attributes	Applicable major NE releases
Name: IK4004183 (4643) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: CB TRANS TX FAILURE CPRI PORT 9 (219) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates a failure in the CB CPRI port transmitter.		
Impact: Impacts the LTE service.		
Remedial action: Replace the SFP for this port.		

Table 22-244 IK4004184 - CB TRANS RX LOS CPRI PORT 7

Alarm	Attributes	Applicable major NE releases
Name: IK4004184 (4644) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB TRANS RX LOS CPRI PORT 7 (220) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: No CPRI signal is received at this CPRI port.		
Impact: No impact on eNodeB.		
Remedial action: Check the CPRI cable and connections, replace the SFP (RFM or CB end), verify the RFM is operating.		

Table 22-245 IK4004185 - CB TRANS RX LOS CPRI PORT 8

Alarm	Attributes	Applicable major NE releases
Name: IK4004185 (4645) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB TRANS RX LOS CPRI PORT 8 (221) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: No CPRI signal is received at this CPRI port.		
Impact: No impact on eNodeB.		
Remedial action: Check the CPRI cable and connections, replace the SFP (RFM or CB end), verify the RFM is operating.		

Table 22-246 IK4004186 - CB TRANS RX LOS CPRI PORT 9

Alarm	Attributes	Applicable major NE releases
Name: IK4004186 (4646) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB TRANS RX LOS CPRI PORT 9 (222) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: No CPRI signal is received at this CPRI port.		
Impact: No impact on eNodeB.		
Remedial action: Check the CPRI cable and connections, replace the SFP (RFM or CB end), verify the RFM is operating.		

Table 22-247 IK4004190 - CB SDI CPRIPORT 7

Alarm	Attributes	Applicable major NE releases
Name: IK4004190 (4647) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB SDI CPRIPORT 7 (223) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates one or more data channels on this CPRI have failed.		
Impact: Cell operation may be degraded.		
Remedial action: Reset the RFM connected to this CPRI port.		

Table 22-248 IK4004191 - CB SDI CPRIPORT 8

Alarm	Attributes	Applicable major NE releases
Name: IK4004191 (4648) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB SDI CPRIPORT 8 (224) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates one or more data channels on this CPRI have failed.		
Impact: Cell operation may be degraded.		
Remedial action: Reset the RFM connected to this CPRI port.		

Table 22-249 IK4004192 - CB SDI CPRIPORT 9

Alarm	Attributes	Applicable major NE releases
Name: IK4004192 (4649) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB SDI CPRIPORT 9 (225) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates one or more data channels on this CPRI have failed.		
Impact: Cell operation may be degraded.		
Remedial action: Reset the RFM connected to this CPRI port.		

Table 22-250 IK4004193 - CB SFP INCOMPATIBILITY CPRI PORT 5

Alarm	Attributes	Applicable major NE releases
Name: IK4004193 (5208) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: warning Specific problem: CB SFP INCOMPATIBILITY CPRI PORT 5 (226) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates that the equipped SFP doesn't allow to achieve the maximum CPRI rate allowed by SW.		
Remedial action: The operator may update the SFP on the BBU.		

Table 22-251 IK4004194 - CB SFP INCOMPATIBILITY CPRI PORT 6

Alarm	Attributes	Applicable major NE releases
Name: IK4004194 (5209) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: warning Specific problem: CB SFP INCOMPATIBILITY CPRI PORT 6 (227) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates that the equipped SFP doesn't allow to achieve the maximum CPRI rate allowed by SW.		
Remedial action: The operator may update the SFP on the BBU.		

Table 22-252 IK4004195 - CB SFP INCOMPATIBILITY CPRI PORT 7

Alarm	Attributes	Applicable major NE releases
Name: IK4004195 (5210) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: warning Specific problem: CB SFP INCOMPATIBILITY CPRI PORT 7 (228) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates that the equipped SFP doesn't allow to achieve the maximum CPRI rate allowed by SW.		
Remedial action: The operator may update the SFP on the BBU.		

Table 22-253 IK4004196 - CB SFP INCOMPATIBILITY CPRI PORT 8

Alarm	Attributes	Applicable major NE releases
Name: IK4004196 (5211) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: warning Specific problem: CB SFP INCOMPATIBILITY CPRI PORT 8 (229) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates that the equipped SFP doesn't allow to achieve the maximum CPRI rate allowed by SW.		
Remedial action: The operator may update the SFP on the BBU.		

Table 22-254 IK4004197 - CB SFP INCOMPATIBILITY CPRI PORT 9

Alarm	Attributes	Applicable major NE releases
Name: IK4004197 (5212) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: warning Specific problem: CB SFP INCOMPATIBILITY CPRI PORT 9 (230) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates that the equipped SFP doesn't allow to achieve the maximum CPRI rate allowed by SW.		
Remedial action: The operator may update the SFP on the BBU.		

Table 22-255 IK4005001 - DBU INITIALIZATION FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4005001 (2300) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBSelfSpecifics	Severity: critical Specific problem: DBU INITIALIZATION FAILURE (231) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR13.1 LR13.3 LR14.1.L LT6.0
Description: This alarm indicates the failure to initialize the associated resources.		
Impact: The LTE service is not possible.		
Remedial action: Reset CB using the remote connection to NEM. Check BIST result. If the alarm persists, replace the CB.		

Table 22-256 IK4005002 - RECTIFIER FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4005002 (2301) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBSelfSpecifics	Severity: major Specific problem: RECTIFIER FAILURE (232) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR14.1.L
Description: This alarm indicates that the rectifier has failed.		
Remedial action: Check rectifier for root cause and either replace rectifier or repair if possible.		

Table 22-257 IK4005003 - DBU MEMORY ACCESS FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4005003 (2302) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBSelfSpecifics	Severity: major Specific problem: DBU MEMORY ACCESS FAILURE (233) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates the failure to access the EEPROM on the eNodeB.		
Impact: The LTE service is not possible.		
Remedial action: Call the next level of support.		

Table 22-258 IK4005004 - DBU UNREADABLE MANUFACTURER DATA

Alarm	Attributes	Applicable major NE releases
Name: IK4005004 (2303) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBSelfSpecifics	Severity: major Specific problem: DBU UNREADABLE MANUFACTURER DATA (234) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates the failure to read the manufacturer data.		
Impact: The LTE service is not possible.		
Remedial action: Call the next level of support.		

Table 22-259 IK4005005 - BATTERY FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4005005 (5213) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBShelfSpecifics	Severity: major Specific problem: BATTERY FAILURE (235) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates a Battery failure (high temperature, voltage imbalance)		
Remedial action: Replace batteries.		

Table 22-260 IK4005006 - POWER CONTROL BOARD FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4005006 (2304) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBShelfSpecifics	Severity: major Specific problem: POWER CONTROL BOARD FAILURE (236) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates that AC/DC power system control board is in failure		
Remedial action: Check power system control module. Replace power system control module.		

Table 22-261 IK4005007 - AC CIRCUIT BREAKER

Alarm	Attributes	Applicable major NE releases
Name: IK4005007 (2305) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBShelfSpecifics	Severity: major Specific problem: AC CIRCUIT BREAKER (237) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates that one or several AC breakers have tripped. May be associated to AC Main alarm.		
Remedial action: Visit basestation and check AC main supply.		

Table 22-262 IK4005008 - DBU INDETERMINATE OPERATIONAL FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4005008 (2306) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBShelfSpecifics	Severity: critical Specific problem: DBU INDETERMINATE OPERATIONAL FAILURE (238) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates that a failure of the shelf hardware has been detected that cannot be described by any specific alarm.		
Remedial action: Inspect the shelf hardware (fan unit, power converter unit, etc.), replace any faulty unit.		

Table 22-263 IK4005009 - FRESH AIR FILTER 1 FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4005009 (2307) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBShelfSpecifics	Severity: minor Specific problem: FRESH AIR FILTER 1 FAILURE (239) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates that Fresh air filter 1 is clogged		
Remedial action: Replace filter.		

Table 22-264 IK4005010 - FRESH AIR FILTER 2 FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4005010 (2308) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBShelfSpecifics	Severity: minor Specific problem: FRESH AIR FILTER 2 FAILURE (240) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates that Fresh air filter 2 is clogged.		
Remedial action: Replace filter.		

Table 22-265 IK4005038 - DBU AC MAJOR

Alarm	Attributes	Applicable major NE releases
Name: IK4005038 (2336) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBSelfSpecifics	Severity: major Specific problem: DBU AC MAJOR (241) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates the failure of multiple rectifier components.		
Impact: No impact on eNodeB.		
Remedial action: Replace the failed rectifier component.		

Table 22-266 IK4005039 - DBU AC MINOR

Alarm	Attributes	Applicable major NE releases
Name: IK4005039 (2337) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBSelfSpecifics	Severity: minor Specific problem: DBU AC MINOR (242) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a minor failure in the DC rectifier unit.		
Impact: No impact on eNodeB.		
Remedial action: Replace the failed fan or the rectifier component.		

Table 22-267 IK4005040 - DBU AC INPUT OUT OF SPEC

Alarm	Attributes	Applicable major NE releases
Name: IK4005040 (2338) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBSelfSpecifics	Severity: major Specific problem: DBU AC INPUT OUT OF SPEC (243) Implicitly cleared: true Default probable cause: powerProblem (911)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that the AC input voltage to the rectifiers is too high or too low.		
Impact: No impact on eNodeB.		
Remedial action: Verify and correct the AC power supply to the rectifiers.		

Table 22-268 IK4005041 - DBU AC BATTERY CHARGING FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4005041 (2339) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBSelfSpecifics	Severity: major Specific problem: DBU AC BATTERY CHARGING FAILURE (244) Implicitly cleared: true Default probable cause: powerProblem (911)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that the eNodeB is operating on the battery power.		
Impact: The eNodeB is not operational due to the drained batteries.		
Remedial action: Verify and correct the AC power supply to the rectifiers. If the alarm persists, check and replace any failed rectifier components.		

Table 22-269 IK4005042 - DBU FAN ALARM

Alarm	Attributes	Applicable major NE releases
Name: IK4005042 (2340) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBSelfSpecifics	Severity: major Specific problem: DBU FAN ALARM (245) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates the baseband cabinet fan failure.		
Impact: The baseband cabinet components may fail due to overheating.		
Remedial action: Replace the baseband cabinet fan.		

Table 22-270 IK4005043 - DBU DOOR ALARM

Alarm	Attributes	Applicable major NE releases
Name: IK4005043 (2341) Type: environmentalAlarm (2) Package: lte Raised on class: lte.ENBSelfSpecifics	Severity: minor Specific problem: DBU DOOR ALARM (246) Implicitly cleared: true Default probable cause: enclosureDoorOpen (900)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that the eNodeB door is open.		
Impact: The eNodeB equipment is accessible and easily tampered. No immediate impact on call processing.		
Remedial action: Close the cabinet door.		

Table 22-271 IK4005044 - DBU OVER TEMP

Alarm	Attributes	Applicable major NE releases
Name: IK4005044 (2342) Type: environmentalAlarm (2) Package: lte Raised on class: lte.ENBShelfSpecifics	Severity: major Specific problem: DBU OVER TEMP (247) Implicitly cleared: true Default probable cause: heatingOrVentilationOrCoolingSystemProblem (701)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that the baseband cabinet temperature is above the safe operating threshold.		
Impact: The eNodeB components may fail due to overheating.		
Remedial action: Check the cabinet for proper functioning fans and unclogged air filters. Check if the ambient temperature is within the recommended operating range.		

Table 22-272 IK4005045 - DBU UNDER TEMP

Alarm	Attributes	Applicable major NE releases
Name: IK4005045 (2343) Type: environmentalAlarm (2) Package: lte Raised on class: lte.ENBShelfSpecifics	Severity: major Specific problem: DBU UNDER TEMP (248) Implicitly cleared: true Default probable cause: heatingOrVentilationOrCoolingSystemProblem (701)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that the baseband cabinet temperature is below the safe operating threshold.		
Impact: The eNodeB components may fail due to low temperature.		
Remedial action: Check if the ambient temperature is within the recommended operating range.		

Table 22-273 IK4005046 - DBU FAF

Alarm	Attributes	Applicable major NE releases
Name: IK4005046 (2344) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBShelfSpecifics	Severity: minor Specific problem: DBU FAF (249) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that the baseband cabinet filter airflow is reduced by excessive dirt.		
Impact: The eNodeB components may fail due to overheating.		
Remedial action: Replace the fresh air filter.		

Table 22-274 IK4005047 - DBU AUX EQUIP

Alarm	Attributes	Applicable major NE releases
Name: IK4005047 (2345) Type: communicationsAlarm (4) Package: lte Raised on class: lte.ENBSelfSpecifics	Severity: major Specific problem: DBU AUX EQUIP (250) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates an error in the auxiliary telecom equipment in the eNodeB.		
Impact: The eNodeB external communication fails or is degraded.		
Remedial action: Check the auxiliary telecom equipment.		

Table 22-275 IK4005051 - DBU BACKPLANE TYPE NOT SUPPORTED

Alarm	Attributes	Applicable major NE releases
Name: IK4005051 (2349) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBSelfSpecifics	Severity: critical Specific problem: DBU BACKPLANE TYPE NOT SUPPORTED (253) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that the backplane type is not supported.		
Impact: The module is not usable. The LTE cells associated with this module are not operational.		
Remedial action: Proceed with a software upgrade.		

Table 22-276 IK4005052 - DBU RUC FAN FAULT MAJOR

Alarm	Attributes	Applicable major NE releases
Name: IK4005052 (2350) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBSelfSpecifics	Severity: major Specific problem: DBU RUC FAN FAULT MAJOR (254) Implicitly cleared: true Default probable cause: heatingOrVentilationOrCoolingSystemProblem (701)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that the fan assemblies cooling capacity has been degraded.		
Impact: No impact on eNodeB.		
Remedial action: Check the fan.		

Table 22-277 IK4005053 - DBU RUC FAN FAULT CRITICAL

Alarm	Attributes	Applicable major NE releases
Name: IK4005053 (2351) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.ENBShelfSpecifics	Severity: critical Specific problem: DBU RUC FAN FAULT CRITICAL (255) Implicitly cleared: true Default probable cause: heatingOrVentilationOrCoolingSystemProblem (701)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that the fan assemblies is not fonctionning.		
Impact: The module is not usable. The LTE cells associated with this module are not operational.		
Remedial action: HW autonomously powers down the system.		

Table 22-278 IK4005054 - DBU WRONG FAN ASSEMBLY

Alarm	Attributes	Applicable major NE releases
Name: IK4005054 (2352) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.ENBShelfSpecifics	Severity: major Specific problem: DBU WRONG FAN ASSEMBLY (256) Implicitly cleared: true Default probable cause: heatingOrVentilationOrCoolingSystemProblem (701)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a wrong flow RUC, specifically a normal-flow RUC being present when a high-flow RUC is needed.		
Impact: No impact on eNodeB.		
Remedial action: Call the next level of support.		

Table 22-279 IK4005055 - DBU HEAT EXCHANGER

Alarm	Attributes	Applicable major NE releases
Name: IK4005055 (2999) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.ENBShelfSpecifics	Severity: minor Specific problem: DBU HEAT EXCHANGER (257) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that the cabinet heat exchanger has failed		
Impact: The eNodeB components may fail due to overheating.		
Remedial action: Replace the heat exchanger.		

Table 22-280 IK4005056 - DBU FAULT 1

Alarm	Attributes	Applicable major NE releases
Name: IK4005056 (3000) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBSelfSpecifics	Severity: minor Specific problem: DBU FAULT 1 (258) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LT6.0
Description: Unspecified DBU fault detected		
Impact: Check the additional info for impact details.		
Remedial action: Check the additional information for maintenance action details.		

Table 22-281 IK4005057 - DBU FAULT 2

Alarm	Attributes	Applicable major NE releases
Name: IK4005057 (3001) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBSelfSpecifics	Severity: minor Specific problem: DBU FAULT 2 (259) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LT6.0
Description: Unspecified DBU fault detected		
Impact: Check the additional info for impact details.		
Remedial action: Check the additional information for maintenance action details.		

Table 22-282 IK4005058 - DBU FAULT 3

Alarm	Attributes	Applicable major NE releases
Name: IK4005058 (3002) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBSelfSpecifics	Severity: minor Specific problem: DBU FAULT 3 (260) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR13.1 LR13.3 LR14.1.L LT6.0
Description: Provisioned for late churn-in. Unspecified DBU fault detected		
Impact: Check the additional info for impact details.		
Remedial action: Check the additional information for maintenance action details.		

Table 22-283 IK4005059 - DBU FAULT 4

Alarm	Attributes	Applicable major NE releases
Name: IK4005059 (3003) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBSelfSpecifics	Severity: minor Specific problem: DBU FAULT 4 (261) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. Unspecified DBU fault detected		
Impact: Check the additional info for impact details.		
Remedial action: Check the additional information for maintenance action details.		

Table 22-284 IK4005060 - DBU FAULT 5

Alarm	Attributes	Applicable major NE releases
Name: IK4005060 (3004) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBSelfSpecifics	Severity: minor Specific problem: DBU FAULT 5 (262) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. Unspecified DBU fault detected		
Impact: Check the additional info for impact details.		
Remedial action: Check the additional information for maintenance action details.		

Table 22-285 IK4005061 - DBU UNREADABLE MANUFACTURER DATA ATTACHED HW

Alarm	Attributes	Applicable major NE releases
Name: IK4005061 (3005) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBSelfSpecifics	Severity: major Specific problem: DBU UNREADABLE MANUFACTURER DATA ATTACHED HW (263) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LT6.0
Description: This alarm indicates the failure to read the manufacturer data of an attached HW (e.g. eAM or FAN)		
Impact: The LTE service is not possible.		
Remedial action: Reset the CB. Check the cable between controller and RUC. Call next level of support, replace RUC unit		

Table 22-286 IK4005067 - DBU INDETERMINATE OPERATIONAL FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4005067 (3756) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBShelfSpecifics	Severity: critical Specific problem: DBU INDETERMINATE OPERATIONAL FAILURE (238) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3
Description: This alarm indicates that a failure of the shelf hardware has been detected that cannot be described by any specific alarm.		
Impact: Impact will depend on the affected unit. A fan failure may lead to overheating, an alarm module failure may hide existing alarms.		
Remedial action: Inspect the shelf hardware (fan unit, power converter unit, etc.), replace any faulty unit.		

Table 22-287 IK4005068 - FRESH AIR FILTER 1 FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4005068 (3757) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBShelfSpecifics	Severity: minor Specific problem: FRESH AIR FILTER 1 FAILURE (239) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3
Description: This alarm indicates that Fresh air filter 1 is clogged		
Impact: Fresh Air flow reduced		
Remedial action: Replace filter.		

Table 22-288 IK4005069 - FRESH AIR FILTER 2 FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4005069 (3758) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBShelfSpecifics	Severity: minor Specific problem: FRESH AIR FILTER 2 FAILURE (240) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3
Description: This alarm indicates that Fresh air filter 2 is clogged.		
Impact: Fresh Air flow reduced		
Remedial action: Replace filter.		

Table 22-289 IK4005070 - TRDU FAN FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4005070 (3759) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBSelfSpecifics	Severity: major Specific problem: TRDU FAN FAILURE (266) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that the TRDU fan has failed.		
Impact: TRDU may over heat		
Remedial action: Replace the fan.		

Table 22-290 IK4005071 - RECTIFIER FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4005071 (3760) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBSelfSpecifics	Severity: major Specific problem: RECTIFIER FAILURE (232) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3
Description: This alarm indicates that the rectifier has failed.		
Impact: Rectifier redundancy is no more available		
Remedial action: Check rectifier for root cause and either replace rectifier or repair if possible.		

Table 22-291 IK4005072 - BATTERY FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4005072 (3761) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBSelfSpecifics	Severity: major Specific problem: BATTERY FAILURE (235) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3
Description: This alarm indicates a Battery failure (high temperature, voltage imbalance)		
Impact: Batteries have degraded or failed. ENB may shut down if battery power is needed.		
Remedial action: Replace batteries.		

Table 22-292 IK4005073 - SMOKE DETECTOR

Alarm	Attributes	Applicable major NE releases
Name: IK4005073 (3762) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBShelfSpecifics	Severity: major Specific problem: SMOKE DETECTOR (267) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that the alarm is linked to an optional smoke detector inside cabinet.		
Impact: May damage eNB.		
Remedial action: Visit basestation to determine cause. Note: Reset the smoke detector.		

Table 22-293 IK4005074 - WATER DETECTOR

Alarm	Attributes	Applicable major NE releases
Name: IK4005074 (3763) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBShelfSpecifics	Severity: major Specific problem: WATER DETECTOR (268) Implicitly cleared: true Default probable cause: floodDetected (1482)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that the alarm is linked to a water ingress detector inside cabinet.		
Impact: Damage to eNB		
Remedial action: Visit basestation to determine cause. Note: Reset the water detector.		

Table 22-294 IK4005075 - MISSING LINK ERROR

Alarm	Attributes	Applicable major NE releases
Name: IK4005075 (3764) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBShelfSpecifics	Severity: minor Specific problem: MISSING LINK ERROR (269) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates the Battery thermal probe disconnection of battery thermal probe failure.		
Impact: Batteries may overheat		
Remedial action: Visit basestation to determine cause repair as needed. Note: Once the fault is corrected the alarm should clear.		

Table 22-295 IK4005076 - POWER CONTROL BOARD FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4005076 (3765) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBSelfSpecifics	Severity: major Specific problem: POWER CONTROL BOARD FAILURE (236) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3
Description: This alarm indicates that AC/DC power system control board is in failure		
Impact: AC/DC power system functioning is degraded. Alarm monitoring of power system may be degraded.		
Remedial action: Check power system control module. Replace power system control module.		

Table 22-296 IK4005077 - BATTERY NOT DETECTED

Alarm	Attributes	Applicable major NE releases
Name: IK4005077 (3766) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBSelfSpecifics	Severity: major Specific problem: BATTERY NOT DETECTED (270) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that the DC breaker protecting the battery has tripped OFF.		
Impact: DC supply may be interrupted		
Remedial action: Visit basestation and check input to the battery.		

Table 22-297 IK4005078 - AC CIRCUIT BREAKER

Alarm	Attributes	Applicable major NE releases
Name: IK4005078 (3767) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBSelfSpecifics	Severity: major Specific problem: AC CIRCUIT BREAKER (237) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3
Description: This alarm indicates that one or several AC breakers have tripped. May be associated to AC Main alarm.		
Impact: eNB may shut down		
Remedial action: Visit basestation and check AC main supply.		

Table 22-298 IK4005079 - LOW VOLTAGE DETECTION

Alarm	Attributes	Applicable major NE releases
Name: IK4005079 (3768) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBSelfSpecifics	Severity: warning Specific problem: LOW VOLTAGE DETECTION (271) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates the Batteries are nearly totally discharged, the power system will soon stop.		
Impact: Power system will be stopped		
Remedial action: Visit basestation and determine battery failure.		

Table 22-299 IK4005080 - BATTERY MAJOR

Alarm	Attributes	Applicable major NE releases
Name: IK4005080 (3769) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBSelfSpecifics	Severity: major Specific problem: BATTERY MAJOR (272) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that the batteries have reached the end of life and must be replaced.		
Impact: Power system will be stopped		
Remedial action: Replace batteries.		

Table 22-300 IK4005081 - RECTIFIER FAILURE MAJOR

Alarm	Attributes	Applicable major NE releases
Name: IK4005081 (3986) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBSelfSpecifics	Severity: major Specific problem: RECTIFIER FAILURE MAJOR (273) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that more than one rectifier has failed.		
Impact: Possible total node B shutdown depending of traffic load.		
Remedial action: Check rectifier for root cause and either replace rectifier or repair if possible.		

Table 22-301 IK4005082 - AC SURGE PROTECTOR FAULT

Alarm	Attributes	Applicable major NE releases
Name: IK4005082 (3987) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBSelfSpecifics	Severity: minor Specific problem: AC SURGE PROTECTOR FAULT (274) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that the AC lightning protector is failed.		
Impact: No impact on service. The surge protection is inactive.		
Remedial action: Check for root cause and either replace surge protector or repair if possible.		

Table 22-302 IK4005083 - DBU UNREADABLE MANUFACTURER DATA ATTACHED HW

Alarm	Attributes	Applicable major NE releases
Name: IK4005083 (3988) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBSelfSpecifics	Severity: minor Specific problem: DBU UNREADABLE MANUFACTURER DATA ATTACHED HW (263) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates the failure to read the manufacturer data of an attached HW (e.g. eAM or FAN)		
Impact: The LTE service is not possible.		
Remedial action: Reset the CB. Check the cable between controller and RUC. Call next level of support, replace RUC unit		

Table 22-303 IK4005084 - DBU FAULT 1

Alarm	Attributes	Applicable major NE releases
Name: IK4005084 (4650) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBSelfSpecifics	Severity: minor Specific problem: DBU FAULT 1 (258) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: Provisioned for late churn-in. Unspecified DBU fault detected		
Impact: Check the additional information for impact details.		
Remedial action: Check the additional information for maintenance action details.		

Table 22-304 IK4005085 - DBU FAULT 2

Alarm	Attributes	Applicable major NE releases
Name: IK4005085 (4651) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBShelfSpecifics	Severity: minor Specific problem: DBU FAULT 2 (259) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: Provisioned for late churn-in. Unspecified DBU fault detected		
Impact: Check the additional information for impact details.		
Remedial action: Check the additional information for maintenance action details.		

Table 22-305 IK4005086 - SINGLE RECTIFIER FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4005086 (4652) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBShelfSpecifics	Severity: minor Specific problem: SINGLE RECTIFIER FAILURE (275) Implicitly cleared: true Default probable cause: powerProblem (911)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that one rectifier within the DC rectifier equipment has failed.		
Impact: Available DC power may be reduced depending on number of redundant rectifiers.		
Remedial action: Replace the failed rectifier.		

Table 22-306 IK4006001 - RFM SELF TEST CRITICAL FAIL

Alarm	Attributes	Applicable major NE releases
Name: IK4006001 (2353) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: critical Specific problem: RFM SELF TEST CRITICAL FAIL (276) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR14.1.L
Description: This alarm indicates that the power-on self test detected a critical failure on the RFM. The alarm is cleared when the RFM is reset.		
Remedial action: Reset the RFM. If the alarm persists, replace RFM.		

Table 22-307 IK4006002 - RFM TXPORT1 OVERCURRENT

Alarm	Attributes	Applicable major NE releases
Name: IK4006002 (2354) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: RFM TXPORT1 OVERCURRENT (277) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates that the DC-Bias Current for AISG Devices was exceeded on Tx Port 1		
Remedial action: Check For AISG device in critical alarm or failure mode.		

Table 22-308 IK4006003 - RFM OPERATION PROCESSING FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4006003 (2355) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.RFM	Severity: critical Specific problem: RFM OPERATION PROCESSING FAILURE (278) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates the fault in the RFM software processing.		
Remedial action: Reset the RFM. If the problem persists, contact the next level support.		

Table 22-309 IK4006004 - RFM SFP INCOMPATIBILITY CPRIPORT 1

Alarm	Attributes	Applicable major NE releases
Name: IK4006004 (2356) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: warning Specific problem: RFM SFP INCOMPATIBILITY CPRIPORT 1 (279) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates that the equipped SFP on the RFM doesn't allow to achieve the maximum CPRI rate allowed by SW.		
Remedial action: The operator may update the SFP on the RFM.		

Table 22-310 IK4006005 - RFM SFP INCOMPATIBILITY CPRI PORT 2

Alarm	Attributes	Applicable major NE releases
Name: IK4006005 (2357) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: warning Specific problem: RFM SFP INCOMPATIBILITY CPRI PORT 2 (280) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR14.1.L
Description: This alarm indicates that the equipped SFP on the RFM doesn't allow to achieve the maximum CPRI rate allowed by SW.		
Remedial action: The operator may update the SFP on the RFM.		

Table 22-311 IK4006006 - RFM COMM FAIL

Alarm	Attributes	Applicable major NE releases
Name: IK4006006 (2358) Type: communicationsAlarm (4) Package: lte Raised on class: lte.RFM	Severity: critical Specific problem: RFM COMM FAIL (281) Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that no management messages are received in the past 30 seconds, or no active C and M TCP connection.		
Impact: The module is not usable. The LTE cells associated with this module are not operational.		
Remedial action: Check the RFM, Fiber, and SFPs. Reset the CB.		

Table 22-312 IK4006007 - RFM UNDER TEMP

Alarm	Attributes	Applicable major NE releases
Name: IK4006007 (2359) Type: environmentalAlarm (2) Package: lte Raised on class: lte.RFM	Severity: minor Specific problem: RFM UNDER TEMP (282) Implicitly cleared: true Default probable cause: heatingOrVentilationOrCoolingSystemProblem (701)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that the RFM is below the operating temperature, but is capable of transmitting.		
Impact: No impact on eNodeB.		
Remedial action: No action is required.		

Table 22-313 IK4006008 - RFM WARM UP

Alarm	Attributes	Applicable major NE releases
Name: IK4006008 (2360) Type: environmentalAlarm (2) Package: lte Raised on class: lte.RFM	Severity: critical Specific problem: RFM WARM UP (283) Implicitly cleared: true Default probable cause: heatingOrVentilationOrCoolingSystemProblem (701)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that the RFM temperature is too low to generate RF.		
Impact: The module is not usable. The LTE cells associated with this module are not operational.		
Remedial action: Check the RFM environment temperature. If RFM has just initialized then wait for it to warm up.		

Table 22-314 IK4006009 - RFM OVER TEMP WARNING

Alarm	Attributes	Applicable major NE releases
Name: IK4006009 (2361) Type: environmentalAlarm (2) Package: lte Raised on class: lte.RFM	Severity: minor Specific problem: RFM OVER TEMP WARNING (284) Implicitly cleared: true Default probable cause: heatingOrVentilationOrCoolingSystemProblem (701)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates the RFM is rising near the shutdown limit.		
Impact: No impact on eNodeB.		
Remedial action: Check the RFM environment temperature.		

Table 22-315 IK4006010 - RFM CRITICAL TEMP

Alarm	Attributes	Applicable major NE releases
Name: IK4006010 (2362) Type: environmentalAlarm (2) Package: lte Raised on class: lte.RFM	Severity: critical Specific problem: RFM CRITICAL TEMP (285) Implicitly cleared: true Default probable cause: heatingOrVentilationOrCoolingSystemProblem (701)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that the RFM temperature is above the operating limit and the transmitter has shut down in an attempt to reduce the temperature.		
Impact: The module is not usable. The LTE cells associated with this module are not operational.		
Remedial action: Check the RFM environment temperature.		

Table 22-316 IK4006011 - RFM ST CRITICAL FAIL

Alarm	Attributes	Applicable major NE releases
Name: IK4006011 (2363) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: critical Specific problem: RFM ST CRITICAL FAIL (286) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LT6.0
Description: This alarm indicates that the power-on self test detected a critical failure on the RFM. The alarm is cleared when the RFM is reset.		
Impact: The module is not usable. The LTE cells associated with this module are not operational.		
Remedial action: Reset the RFM. If the alarm persists, replace RFM.		

Table 22-317 IK4006012 - RFM INIT FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4006012 (2364) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: critical Specific problem: RFM INIT FAILURE (287) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates the FGPA download failure or unlocked PLLs. The evaluation occurs during initialization and the unit is not enabled.		
Impact: The module is not usable. The LTE cells associated with this module are not operational.		
Remedial action: Reset the RFM. If the alarm persists, replace RFM.		

Table 22-318 IK4006013 - RFM SOFTWARE FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4006013 (2365) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.RFM	Severity: critical Specific problem: RFM SOFTWARE FAILURE (288) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates the general software failures, including TCP/IP stack errors or TCP Allocate Packet errors. This alarm remains asserted for a minimum of 30 seconds.		
Impact: The module is not usable. The LTE cells associated with this module are not operational.		
Remedial action: If the alarm does not clear in 30 seconds then reset the RFM. If the alarm persists, notify ALU support.		

Table 22-319 IK4006014 - RFM SIGNAL QUALITY

Alarm	Attributes	Applicable major NE releases
Name: IK4006014 (2366) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: RFM SIGNAL QUALITY (289) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that the RFM output spectrum is degraded, but the RF is still enabled.		
Impact: The module is not usable. The LTE cells associated with this module may not be operational.		
Remedial action: Reset the RFM, if the problem persists then replace the RFM.		

Table 22-320 IK4006015 - RFM RECV FAIL

Alarm	Attributes	Applicable major NE releases
Name: IK4006015 (2367) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: critical Specific problem: RFM RECV FAIL (290) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LT6.0
Description: This alarm indicates the failure of both Rx1 and Rx2 or Rx1 failure and diversity is disabled.		
Impact: The module is not usable. The LTE cells associated with this module are not operational.		
Remedial action: Reset RFM. Use the reset command on the SAM, or reset using the remote connection to NEM. If the alarm persists, replace RFM.		

Table 22-321 IK4006016 - RFM SFP INCOMPATIBILITY CPRI PORT 3

Alarm	Attributes	Applicable major NE releases
Name: IK4006016 (2368) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: warning Specific problem: RFM SFP INCOMPATIBILITY CPRI PORT 3 (291) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR14.1.L
Description: This alarm indicates that the equipped SFP on the RFM doesn't allow to achieve the maximum CPRI rate allowed by SW.		
Remedial action: The operator may update the SFP on the RFM.		

Table 22-322 IK4006017 - RFM TX1 FAIL

Alarm	Attributes	Applicable major NE releases
Name: IK4006017 (2369) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: critical Specific problem: RFM TX1 FAIL (292) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LT6.0
Description: This alarm indicates the failure of the transmit chain. RF transmission is not possible on the first antenna port.		
Impact: The module is not usable. The LTE cells associated with this module are not operational.		
Remedial action: Reset the RFM. If the alarm persists, replace RFM.		

Table 22-323 IK4006018 - RFM TX2 FAIL

Alarm	Attributes	Applicable major NE releases
Name: IK4006018 (2370) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: critical Specific problem: RFM TX2 FAIL (293) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LT6.0
Description: This alarm indicates the failure of the transmit chain. RF transmission is not possible on the second antenna port.		
Impact: The module is not usable. The LTE cells associated with this module are not operational.		
Remedial action: Reset the RFM. If the alarm persists, replace RFM.		

Table 22-324 IK4006019 - RFM GAIN CONTROL TX1

Alarm	Attributes	Applicable major NE releases
Name: IK4006019 (2371) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: critical Specific problem: RFM GAIN CONTROL TX1 (294) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LT6.0
Description: This alarm indicates that the first transmit port gain is out of range.		
Impact: The module is not usable. The LTE cells associated with this module are not operational.		
Remedial action: Reset the RFM. If the alarm persists, replace RFM.		

Table 22-325 IK4006020 - RFM GAIN CONTROL TX2

Alarm	Attributes	Applicable major NE releases
Name: IK4006020 (2372) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: critical Specific problem: RFM GAIN CONTROL TX2 (295) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LT6.0
Description: This alarm indicates that the second transmit port gain is out of range.		
Impact: The module is not usable. The LTE cells associated with this module are not operational.		
Remedial action: Reset the RFM. If the alarm persists, replace RFM.		

Table 22-326 IK4006021 - RFM RF OUTPUT OVRDRV TX1

Alarm	Attributes	Applicable major NE releases
Name: IK4006021 (2373) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: critical Specific problem: RFM RF OUTPUT OVRDRV TX1 (296) Implicitly cleared: true Default probable cause: powerProblem (911)	<ul style="list-style-type: none"> LT6.0
Description: This alarm indicates excessive RF output. The RF is interrupted or clamped for hardware protection.		
Impact: The module is not usable. The LTE cells associated with this module are not operational.		
Remedial action: Reset the RFM. If the alarm persists, replace RFM.		

Table 22-327 IK4006022 - RFM RF OUTPUT OVRDRV TX2

Alarm	Attributes	Applicable major NE releases
Name: IK4006022 (2374) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: critical Specific problem: RFM RF OUTPUT OVRDRV TX2 (297) Implicitly cleared: true Default probable cause: powerProblem (911)	<ul style="list-style-type: none"> LT6.0
Description: This alarm indicates excessive RF output. The RF is interrupted or clamped for hardware protection.		
Impact: The module is not usable. The LTE cells associated with this module are not operational.		
Remedial action: Reset the RFM. If the alarm persists, replace RFM.		

Table 22-328 IK4006023 - RFM RX1 FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4006023 (2375) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: RFM RX1 FAILURE (298) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LT6.0
Description: This alarm indicates the RF receiver failure. If this RF receiver is the only configured receiver, the RECEIVER FAILURE alarm is also raised.		
Impact: The module is not usable. The LTE cells associated with this module are not operational.		
Remedial action: Operation is degraded with a single receiver. Reset the RFM, otherwise replace the RFM when possible.		

Table 22-329 IK4006024 - RFM RX2 FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4006024 (2376) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: RFM RX2 FAILURE (299) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LT6.0
Description: This alarm indicates the RF receiver failure. If this RF receiver is the only configured receiver, the RECEIVER FAILURE alarm is also raised.		
Impact: The module is not usable. The LTE cells associated with this module are not operational.		
Remedial action: Operation is degraded with a single receiver. Reset the RFM, otherwise replace the RFM when possible.		

Table 22-330 IK4006025 - RFM DIV IMBALANCE

Alarm	Attributes	Applicable major NE releases
Name: IK4006025 (2377) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: RFM DIV IMBALANCE (300) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LT6.0
Description: This alarm indicates an imbalance between the two diversity receive signals.		
Impact: No impact on eNodeB.		
Remedial action: Check the antennas and antenna cables and connections. If the problem persists then replace the RFM.		

Table 22-331 IK4006027 - RFM INPUT VOLTAGE FAIL

Alarm	Attributes	Applicable major NE releases
Name: IK4006027 (2378) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: RFM INPUT VOLTAGE FAIL (301) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that the input voltage is very high or very low.		
Impact: If the RRH is not usable, the associated LTE cells are not operational.		
Remedial action: Verify and correct the DC input voltage. If the alarm persists, replace the RFM.		

Table 22-332 IK4006028 - RFM PWR CONVERTER FAIL

Alarm	Attributes	Applicable major NE releases
Name: IK4006028 (2379) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: critical Specific problem: RFM PWR CONVERTER FAIL (302) Implicitly cleared: true Default probable cause: powerProblem (911)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: The RFM internal power converter has failed.		
Impact: The module is not usable. The LTE cells associated with this module are not operational.		
Remedial action: Reset the RFM, if the alarm persists, replace the RFM.		

Table 22-333 IK4006029 - RFM CLOCK FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4006029 (2380) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: critical Specific problem: RFM CLOCK FAILURE (303) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: The RFM cannot derive proper clock signal from the incoming CPRI link.		
Impact: The module is not usable. The LTE cells associated with this module are not operational.		
Remedial action: Verify the CPRI connection and reset the RFM. If the problem persists then replace the RFM.		

Table 22-334 IK4006030 - RFM RF SYNTH FAIL

Alarm	Attributes	Applicable major NE releases
Name: IK4006030 (2381) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: critical Specific problem: RFM RF SYNTH FAIL (304) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: The RFM internal frequency synthesizer is out of lock.		
Impact: The module is not usable. The LTE cells associated with this module are not operational.		
Remedial action: Reset the RFM. If the problem persists then replace the RFM.		

Table 22-335 IK4006031 - RFM DIGITAL INPUT OVRDRV TX1

Alarm	Attributes	Applicable major NE releases
Name: IK4006031 (2382) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: RFM DIGITAL INPUT OVRDRV TX1 (305) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LT6.0
Description: The CB is providing too large a digital signal to the RFM.		
Impact: The module is not usable. The LTE cells associated with this module are not operational.		
Remedial action: Reset the RFM. If the alarm persists contact the next level support.		

Table 22-336 IK4006032 - RFM DIGITAL INPUT OVRDRV TX2

Alarm	Attributes	Applicable major NE releases
Name: IK4006032 (2383) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: RFM DIGITAL INPUT OVRDRV TX2 (306) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LT6.0
Description: The CB is providing too large a digital signal to the RFM.		
Impact: The module is not usable. The LTE cells associated with this module are not operational.		
Remedial action: Reset the RFM. If the alarm persists contact the next level support.		

Table 22-337 IK4006034 - RFM TX1 VSWR THRESH2

Alarm	Attributes	Applicable major NE releases
Name: IK4006034 (2384) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: RFM TX1 VSWR THRESH2 (307) Implicitly cleared: true Default probable cause: adapterError (688)	<ul style="list-style-type: none"> LT6.0
Description: The antenna port return loss is below threshold.		
Impact: The eNodeB performance is low due to TX losses.		
Remedial action: Check the cabling between RFM output and antenna. Check the connection torque value between the RFM and the bulkhead.		

Table 22-338 IK4006036 - RFM TX2 VSWR THRESH2

Alarm	Attributes	Applicable major NE releases
Name: IK4006036 (2385) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: RFM TX2 VSWR THRESH2 (308) Implicitly cleared: true Default probable cause: adapterError (688)	<ul style="list-style-type: none"> LT6.0
Description: The antenna port return loss is below threshold.		
Impact: The eNodeB performance is low due to TX losses.		
Remedial action: Check the cabling between RFM output and antenna. Check the connection torque value between the RFM and the bulkhead.		

Table 22-339 IK4006039 - RFM UNREADABLE MANUFACTURER DATA

Alarm	Attributes	Applicable major NE releases
Name: IK4006039 (2386) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: warning Specific problem: RFM UNREADABLE MANUFACTURER DATA (309) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR13.1 LR13.3 LR14.1.L LT6.0
Description: This alarm indicates the failure to read the manufacturer data.		
Impact: Cells related to RRH are out of service.		
Remedial action: Reset the RFM. If the alarm persists contact the next level support.		

Table 22-340 IK4006042 - RFM DOWNLOAD FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4006042 (2387) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.RFM	Severity: minor Specific problem: RFM DOWNLOAD FAILURE (310) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates the RFM software download failure.		
Impact: No impact on eNodeB.		
Remedial action: Reset the RFM to retry the download. If the problem persists, contact the next level support.		

Table 22-341 IK4006075 - RFM BIST PARTIAL

Alarm	Attributes	Applicable major NE releases
Name: IK4006075 (2394) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: RFM BIST PARTIAL (311) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that at least one failure was detected during power on self-test, but the unit may still be functional, though in a degraded state.		
Impact: The eNodeB performance is low.		
Remedial action: Replace the RFM.		

Table 22-342 IK4006076 - RFM EQUIP FAIL TX1

Alarm	Attributes	Applicable major NE releases
Name: IK4006076 (2395) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: critical Specific problem: RFM EQUIP FAIL TX1 (312) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LT6.0
Description: This alarm indicates that the amplifier DC input voltage is out of range. The RF output is not available.		
Impact: The module is not usable. The LTE cells associated with this module are not operational.		
Remedial action: Replace the RFM.		

Table 22-343 IK4006077 - RFM EQUIP FAIL TX2

Alarm	Attributes	Applicable major NE releases
Name: IK4006077 (2396) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: critical Specific problem: RFM EQUIP FAIL TX2 (313) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LT6.0
Description: This alarm indicates that the amplifier DC input voltage is out of range. The RF output is not available.		
Impact: The module is not usable. The LTE cells associated with this module are not operational.		
Remedial action: Replace the RFM.		

Table 22-344 IK4006078 - RFM TX1 VSWR THRESH1

Alarm	Attributes	Applicable major NE releases
Name: IK4006078 (2397) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: RFM TX1 VSWR THRESH1 (314) Implicitly cleared: true Default probable cause: adapterError (688)	<ul style="list-style-type: none"> LT6.0
Description: The antenna port return loss is below threshold.		
Impact: The eNodeB performance is low due to TX losses.		
Remedial action: Check the cabling between RFM output and antenna. Check the connection torque value between the RFM and the bulkhead.		

Table 22-345 IK4006079 - RFM TX2 VSWR THRESH1

Alarm	Attributes	Applicable major NE releases
Name: IK4006079 (2398) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: RFM TX2 VSWR THRESH1 (315) Implicitly cleared: true Default probable cause: adapterError (688)	<ul style="list-style-type: none"> LT6.0
Description: The antenna port return loss is below threshold.		
Impact: The eNodeB performance is low due to TX losses.		
Remedial action: Check the cabling between RFM output and antenna. Check the connection torque value between the RFM and the bulkhead.		

Table 22-346 IK4006080 - RFM RX1 VSWR THRESH

Alarm	Attributes	Applicable major NE releases
Name: IK4006080 (2399) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: RFM RX1 VSWR THRESH (316) Implicitly cleared: true Default probable cause: adapterError (688)	<ul style="list-style-type: none"> LT6.0
Description: This alarm indicates that the Rx VSWR test detected a THRESH Level violation.		
Impact: The eNodeB performance is low due to RX losses.		
Remedial action: Check the cabling between RFM output and antenna. Check the connection torque value between the RFM and the bulkhead. If the alarm persists, replace the RFM.		

Table 22-347 IK4006081 - RFM RX2 VSWR THRESH

Alarm	Attributes	Applicable major NE releases
Name: IK4006081 (2400) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: RFM RX2 VSWR THRESH (317) Implicitly cleared: true Default probable cause: adapterError (688)	<ul style="list-style-type: none"> LT6.0
Description: This alarm indicates that the Rx VSWR test detected a THRESH Level violation.		
Impact: The eNodeB performance is low due to RX losses.		
Remedial action: Check the cabling between RFM output and antenna. Check the connection torque value between the RFM and the bulkhead. If the alarm persists, replace the RFM.		

Table 22-348 IK4006082 - RFM OPERATION PROCESSING FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4006082 (2401) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.RFM	Severity: critical Specific problem: RFM OPERATION PROCESSING FAILURE (278) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> LT6.0
Description: This alarm indicates the fault in the RFM software processing.		
Impact: The module is not usable. The LTE cells associated with this module are not operational.		
Remedial action: Reset the RFM. If the problem persists, contact the next level support.		

Table 22-349 IK4006083 - RFM LNA1 FAIL

Alarm	Attributes	Applicable major NE releases
Name: IK4006083 (2402) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: minor Specific problem: RFM LNA1 FAIL (318) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LT6.0
Description: This alarm indicates that the external filter module has detected an LNA failure.		
Impact: No impact on eNodeB.		
Remedial action: Replace the external filter module.		

Table 22-350 IK4006084 - RFM LNA2 FAIL

Alarm	Attributes	Applicable major NE releases
Name: IK4006084 (2403) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: minor Specific problem: RFM LNA2 FAIL (319) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LT6.0
Description: This alarm indicates that the external filter module has detected an LNA failure.		
Impact: No impact on eNodeB.		
Remedial action: Replace the external filter module.		

Table 22-351 IK4006085 - RFM EXTERNAL UNIT COMM FAIL

Alarm	Attributes	Applicable major NE releases
Name: IK4006085 (2404) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: minor Specific problem: RFM EXTERNAL UNIT COMM FAIL (320) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR13.1 LR13.3 LR14.1.L LT6.0
Description: This alarm indicates the loss of communication with external alarm or filter module.		
Impact: No impact on eNodeB.		
Remedial action: Check external module and cable, replace if necessary.		

Table 22-352 IK4006089 - RFM INTERFACE MISMATCH

Alarm	Attributes	Applicable major NE releases
Name: IK4006089 (2408) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: critical Specific problem: RFM INTERFACE MISMATCH (321) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LT6.0
Description: This alarm indicates that the RFM interface version is not compatible with the version running in the CB.		
Impact: The eNodeB performance is low.		
Remedial action: Reset the RFM. If the problem persists, contact the next level support.		

Table 22-353 IK4006090 - RFM TX3 FAIL

Alarm	Attributes	Applicable major NE releases
Name: IK4006090 (2409) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: critical Specific problem: RFM TX3 FAIL (322) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LT6.0
Description: This alarm indicates that the amplifier DC input voltage is out of range. The RF output is not available.		
Impact: The module is not usable. The LTE cells associated with this module are not operational.		
Remedial action: Reset the RFM. If the alarm persists, replace RFM.		

Table 22-354 IK4006091 - RFM TX4 FAIL

Alarm	Attributes	Applicable major NE releases
Name: IK4006091 (2410) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: critical Specific problem: RFM TX4 FAIL (323) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LT6.0
Description: This alarm indicates that the amplifier DC input voltage is out of range. The RF output is not available.		
Impact: The module is not usable. The LTE cells associated with this module are not operational.		
Remedial action: Reset the RFM. If the alarm persists, replace RFM.		

Table 22-355 IK4006092 - RFM TX5 FAIL

Alarm	Attributes	Applicable major NE releases
Name: IK4006092 (2411) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: critical Specific problem: RFM TX5 FAIL (324) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LT6.0
Description: This alarm indicates that the amplifier DC input voltage is out of range. The RF output is not available.		
Impact: The module is not usable. The LTE cells associated with this module are not operational.		
Remedial action: Reset the RFM. If the alarm persists, replace RFM.		

Table 22-356 IK4006093 - RFM TX6 FAIL

Alarm	Attributes	Applicable major NE releases
Name: IK4006093 (2412) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: critical Specific problem: RFM TX6 FAIL (325) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LT6.0
Description: This alarm indicates that the amplifier DC input voltage is out of range. The RF output is not available.		
Impact: The module is not usable. The LTE cells associated with this module are not operational.		
Remedial action: Reset the RFM. If the alarm persists, replace RFM.		

Table 22-357 IK4006094 - RFM TX7 FAIL

Alarm	Attributes	Applicable major NE releases
Name: IK4006094 (2413) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: critical Specific problem: RFM TX7 FAIL (326) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LT6.0
Description: This alarm indicates that the amplifier DC input voltage is out of range. The RF output is not available.		
Impact: The module is not usable. The LTE cells associated with this module are not operational.		
Remedial action: Reset the RFM. If the alarm persists, replace RFM.		

Table 22-358 IK4006095 - RFM TX8 FAIL

Alarm	Attributes	Applicable major NE releases
Name: IK4006095 (2414) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: critical Specific problem: RFM TX8 FAIL (327) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LT6.0
Description: This alarm indicates that the amplifier DC input voltage is out of range. The RF output is not available.		
Impact: The module is not usable. The LTE cells associated with this module are not operational.		
Remedial action: Reset the RFM. If the alarm persists, replace RFM.		

Table 22-359 IK4006096 - RFM GAIN CONTROL TX3

Alarm	Attributes	Applicable major NE releases
Name: IK4006096 (2415) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: critical Specific problem: RFM GAIN CONTROL TX3 (328) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LT6.0
Description: This alarm indicates that the third transmit port gain is out of range.		
Impact: The module is not usable. The LTE cells associated with this module are not operational.		
Remedial action: Reset the RFM. If the alarm persists, replace RFM.		

Table 22-360 IK4006097 - RFM GAIN CONTROL TX4

Alarm	Attributes	Applicable major NE releases
Name: IK4006097 (2416) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: critical Specific problem: RFM GAIN CONTROL TX4 (329) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LT6.0
Description: This alarm indicates that the fourth transmit port gain is out of range.		
Impact: The module is not usable. The LTE cells associated with this module are not operational.		
Remedial action: Reset the RFM. If the alarm persists, replace RFM.		

Table 22-361 IK4006098 - RFM GAIN CONTROL TX5

Alarm	Attributes	Applicable major NE releases
Name: IK4006098 (2417) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: critical Specific problem: RFM GAIN CONTROL TX5 (330) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LT6.0
Description: This alarm indicates that the fifth transmit port gain is out of range.		
Impact: The module is not usable. The LTE cells associated with this module are not operational.		
Remedial action: Reset the RFM. If the alarm persists, replace RFM.		

Table 22-362 IK4006099 - RFM GAIN CONTROL TX6

Alarm	Attributes	Applicable major NE releases
Name: IK4006099 (2418) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: critical Specific problem: RFM GAIN CONTROL TX6 (331) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LT6.0
Description: This alarm indicates that the sixth transmit port gain is out of range.		
Impact: The module is not usable. The LTE cells associated with this module are not operational.		
Remedial action: Reset the RFM. If the alarm persists, replace RFM.		

Table 22-363 IK4006100 - RFM GAIN CONTROL TX7

Alarm	Attributes	Applicable major NE releases
Name: IK4006100 (2419) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: critical Specific problem: RFM GAIN CONTROL TX7 (332) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LT6.0
Description: This alarm indicates that the seventh transmit port gain is out of range.		
Impact: The module is not usable. The LTE cells associated with this module are not operational.		
Remedial action: Reset the RFM. If the alarm persists, replace RFM.		

Table 22-364 IK4006101 - RFM GAIN CONTROL TX8

Alarm	Attributes	Applicable major NE releases
Name: IK4006101 (2420) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: critical Specific problem: RFM GAIN CONTROL TX8 (333) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LT6.0
Description: This alarm indicates that the eighth transmit port gain is out of range.		
Impact: The module is not usable. The LTE cells associated with this module are not operational.		
Remedial action: Reset the RFM. If the alarm persists, replace RFM.		

Table 22-365 IK4006102 - RFM RF OUTPUT OVRDRV TX3

Alarm	Attributes	Applicable major NE releases
Name: IK4006102 (2421) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: critical Specific problem: RFM RF OUTPUT OVRDRV TX3 (334) Implicitly cleared: true Default probable cause: powerProblem (911)	<ul style="list-style-type: none"> LT6.0
Description: The CB is providing too large a digital signal to the RFM.		
Impact: The module is not usable. The LTE cells associated with this module are not operational.		
Remedial action: Reset the RFM. If the alarm persists contact the next level support.		

Table 22-366 IK4006103 - RFM RF OUTPUT OVRDRV TX4

Alarm	Attributes	Applicable major NE releases
Name: IK4006103 (2422) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: critical Specific problem: RFM RF OUTPUT OVRDRV TX4 (335) Implicitly cleared: true Default probable cause: powerProblem (911)	<ul style="list-style-type: none"> LT6.0
Description: The CB is providing too large a digital signal to the RFM.		
Impact: The module is not usable. The LTE cells associated with this module are not operational.		
Remedial action: Reset the RFM. If the alarm persists contact the next level support.		

Table 22-367 IK4006104 - RFM RF OUTPUT OVRDRV TX5

Alarm	Attributes	Applicable major NE releases
Name: IK4006104 (2423) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: critical Specific problem: RFM RF OUTPUT OVRDRV TX5 (336) Implicitly cleared: true Default probable cause: powerProblem (911)	<ul style="list-style-type: none"> LT6.0
Description: The CB is providing too large a digital signal to the RFM.		
Impact: The module is not usable. The LTE cells associated with this module are not operational.		
Remedial action: Reset the RFM. If the alarm persists contact the next level support.		

Table 22-368 IK4006105 - RFM RF OUTPUT OVRDRV TX6

Alarm	Attributes	Applicable major NE releases
Name: IK4006105 (2424) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: critical Specific problem: RFM RF OUTPUT OVRDRV TX6 (337) Implicitly cleared: true Default probable cause: powerProblem (911)	<ul style="list-style-type: none"> LT6.0
Description: The CB is providing too large a digital signal to the RFM.		
Impact: The module is not usable. The LTE cells associated with this module are not operational.		
Remedial action: Reset the RFM. If the alarm persists contact the next level support.		

Table 22-369 IK4006106 - RFM RF OUTPUT OVRDRV TX7

Alarm	Attributes	Applicable major NE releases
Name: IK4006106 (2425) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: critical Specific problem: RFM RF OUTPUT OVRDRV TX7 (338) Implicitly cleared: true Default probable cause: powerProblem (911)	<ul style="list-style-type: none"> LT6.0
Description: The CB is providing too large a digital signal to the RFM.		
Impact: The module is not usable. The LTE cells associated with this module are not operational.		
Remedial action: Reset the RFM. If the alarm persists contact the next level support.		

Table 22-370 IK4006107 - RFM RF OUTPUT OVRDRV TX8

Alarm	Attributes	Applicable major NE releases
Name: IK4006107 (2426) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: critical Specific problem: RFM RF OUTPUT OVRDRV TX8 (339) Implicitly cleared: true Default probable cause: powerProblem (911)	<ul style="list-style-type: none"> LT6.0
Description: The CB is providing too large a digital signal to the RFM.		
Impact: The module is not usable. The LTE cells associated with this module are not operational.		
Remedial action: Reset the RFM. If the alarm persists contact the next level support.		

Table 22-371 IK4006108 - RFM RX3 FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4006108 (2427) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: RFM RX3 FAILURE (340) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LT6.0
Description: This alarm indicates the RF receiver failure. If this RF receiver is the only configured receiver, the RECEIVER FAILURE alarm is also raised.		
Impact: The module is not usable. The LTE cells associated with this module are not operational.		
Remedial action: Operation is degraded with a single receiver. Reset the RFM, otherwise replace the RFM when possible.		

Table 22-372 IK4006109 - RFM RX4 FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4006109 (2428) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: RFM RX4 FAILURE (341) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LT6.0
Description: This alarm indicates the RF receiver failure. If this RF receiver is the only configured receiver, the RECEIVER FAILURE alarm is also raised.		
Impact: The module is not usable. The LTE cells associated with this module are not operational.		
Remedial action: Operation is degraded with a single receiver. Reset the RFM, otherwise replace the RFM when possible.		

Table 22-373 IK4006110 - RFM RX5 FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4006110 (2429) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: RFM RX5 FAILURE (342) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LT6.0
Description: This alarm indicates the RF receiver failure. If this RF receiver is the only configured receiver, the RECEIVER FAILURE alarm is also raised.		
Impact: The module is not usable. The LTE cells associated with this module are not operational.		
Remedial action: Operation is degraded with a single receiver. Reset the RFM, otherwise replace the RFM when possible.		

Table 22-374 IK4006111 - RFM RX6 FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4006111 (2430) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: RFM RX6 FAILURE (343) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LT6.0
Description: This alarm indicates the RF receiver failure. If this RF receiver is the only configured receiver, the RECEIVER FAILURE alarm is also raised.		
Impact: The module is not usable. The LTE cells associated with this module are not operational.		
Remedial action: Operation is degraded with a single receiver. Reset the RFM, otherwise replace the RFM when possible.		

Table 22-375 IK4006112 - RFM RX7 FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4006112 (2431) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: RFM RX7 FAILURE (344) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LT6.0
Description: This alarm indicates the RF receiver failure. If this RF receiver is the only configured receiver, the RECEIVER FAILURE alarm is also raised.		
Impact: The module is not usable. The LTE cells associated with this module are not operational.		
Remedial action: Operation is degraded with a single receiver. Reset the RFM, otherwise replace the RFM when possible.		

Table 22-376 IK4006113 - RFM RX8 FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4006113 (2432) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: RFM RX8 FAILURE (345) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LT6.0
Description: This alarm indicates the RF receiver failure. If this RF receiver is the only configured receiver, the RECEIVER FAILURE alarm is also raised.		
Impact: The module is not usable. The LTE cells associated with this module are not operational.		
Remedial action: Operation is degraded with a single receiver. Reset the RFM, otherwise replace the RFM when possible.		

Table 22-377 IK4006114 - RFM EQUIP FAIL TX3

Alarm	Attributes	Applicable major NE releases
Name: IK4006114 (2433) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: critical Specific problem: RFM EQUIP FAIL TX3 (346) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LT6.0
Description: This alarm indicates that the amplifier DC input voltage is out of range. The RF output is not available.		
Impact: The module is not usable. The LTE cells associated with this module are not operational.		
Remedial action: Replace the RFM.		

Table 22-378 IK4006115 - RFM EQUIP FAIL TX4

Alarm	Attributes	Applicable major NE releases
Name: IK4006115 (2434) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: critical Specific problem: RFM EQUIP FAIL TX4 (347) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LT6.0
Description: This alarm indicates that the amplifier DC input voltage is out of range. The RF output is not available.		
Impact: The module is not usable. The LTE cells associated with this module are not operational.		
Remedial action: Replace the RFM.		

Table 22-379 IK4006116 - RFM EQUIP FAIL TX5

Alarm	Attributes	Applicable major NE releases
Name: IK4006116 (2435) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: critical Specific problem: RFM EQUIP FAIL TX5 (348) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LT6.0
Description: This alarm indicates that the amplifier DC input voltage is out of range. The RF output is not available.		
Impact: The module is not usable. The LTE cells associated with this module are not operational.		
Remedial action: Replace the RFM.		

Table 22-380 IK4006117 - RFM EQUIP FAIL TX6

Alarm	Attributes	Applicable major NE releases
Name: IK4006117 (2436) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: critical Specific problem: RFM EQUIP FAIL TX6 (349) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LT6.0
Description: This alarm indicates that the amplifier DC input voltage is out of range. The RF output is not available.		
Impact: The module is not usable. The LTE cells associated with this module are not operational.		
Remedial action: Replace the RFM.		

Table 22-381 IK4006118 - RFM EQUIP FAIL TX7

Alarm	Attributes	Applicable major NE releases
Name: IK4006118 (2437) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: critical Specific problem: RFM EQUIP FAIL TX7 (350) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LT6.0
Description: This alarm indicates that the amplifier DC input voltage is out of range. The RF output is not available.		
Impact: The module is not usable. The LTE cells associated with this module are not operational.		
Remedial action: Replace the RFM.		

Table 22-382 IK4006119 - RFM EQUIP FAIL TX8

Alarm	Attributes	Applicable major NE releases
Name: IK4006119 (2438) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: critical Specific problem: RFM EQUIP FAIL TX8 (351) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LT6.0
Description: This alarm indicates that the amplifier DC input voltage is out of range. The RF output is not available.		
Impact: The module is not usable. The LTE cells associated with this module are not operational.		
Remedial action: Replace the RFM.		

Table 22-383 IK4006120 - RFM DIGITAL INPUT OVRDRV TX3

Alarm	Attributes	Applicable major NE releases
Name: IK4006120 (2439) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: RFM DIGITAL INPUT OVRDRV TX3 (352) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LT6.0
Description: The CB is providing too large a digital signal to the RFM.		
Impact: The module is not usable. The LTE cells associated with this module are not operational.		
Remedial action: Reset the RFM. If the alarm persists contact the next level support.		

Table 22-384 IK4006121 - RFM DIGITAL INPUT OVRDRV TX4

Alarm	Attributes	Applicable major NE releases
Name: IK4006121 (2440) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: RFM DIGITAL INPUT OVRDRV TX4 (353) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LT6.0
Description: The CB is providing too large a digital signal to the RFM.		
Impact: The module is not usable. The LTE cells associated with this module are not operational.		
Remedial action: Reset the RFM. If the alarm persists contact the next level support.		

Table 22-385 IK4006122 - RFM DIGITAL INPUT OVRDRV TX5

Alarm	Attributes	Applicable major NE releases
Name: IK4006122 (2441) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: RFM DIGITAL INPUT OVRDRV TX5 (354) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LT6.0
Description: The CB is providing too large a digital signal to the RFM.		
Impact: The module is not usable. The LTE cells associated with this module are not operational.		
Remedial action: Reset the RFM. If the alarm persists contact the next level support.		

Table 22-386 IK4006123 - RFM DIGITAL INPUT OVRDRV TX6

Alarm	Attributes	Applicable major NE releases
Name: IK4006123 (2442) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: RFM DIGITAL INPUT OVRDRV TX6 (355) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LT6.0
Description: The CB is providing too large a digital signal to the RFM.		
Impact: The module is not usable. The LTE cells associated with this module are not operational.		
Remedial action: Reset the RFM. If the alarm persists contact the next level support.		

Table 22-387 IK4006124 - RFM DIGITAL INPUT OVRDRV TX7

Alarm	Attributes	Applicable major NE releases
Name: IK4006124 (2443) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: RFM DIGITAL INPUT OVRDRV TX7 (356) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LT6.0
Description: The CB is providing too large a digital signal to the RFM.		
Impact: The module is not usable. The LTE cells associated with this module are not operational.		
Remedial action: Reset the RFM. If the alarm persists contact the next level support.		

Table 22-388 IK4006125 - RFM DIGITAL INPUT OVRDRV TX8

Alarm	Attributes	Applicable major NE releases
Name: IK4006125 (2444) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: RFM DIGITAL INPUT OVRDRV TX8 (357) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LT6.0
Description: The CB is providing too large a digital signal to the RFM.		
Impact: The module is not usable. The LTE cells associated with this module are not operational.		
Remedial action: Reset the RFM. If the alarm persists contact the next level support.		

Table 22-389 IK4006126 - RFM TX3 VSWR THRESH1

Alarm	Attributes	Applicable major NE releases
Name: IK4006126 (2445) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: RFM TX3 VSWR THRESH1 (358) Implicitly cleared: true Default probable cause: adapterError (688)	<ul style="list-style-type: none"> LT6.0
Description: The antenna port return loss is below threshold.		
Impact: The eNodeB performance is low due to TX losses.		
Remedial action: Check the cabling between RFM output and antenna. Check the connection torque value between the RFM and the bulkhead.		

Table 22-390 IK4006127 - RFM TX4 VSWR THRESH1

Alarm	Attributes	Applicable major NE releases
Name: IK4006127 (2446) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: RFM TX4 VSWR THRESH1 (359) Implicitly cleared: true Default probable cause: adapterError (688)	<ul style="list-style-type: none"> LT6.0
Description: The antenna port return loss is below threshold.		
Impact: The eNodeB performance is low due to TX losses.		
Remedial action: Check the cabling between RFM output and antenna. Check the connection torque value between the RFM and the bulkhead.		

Table 22-391 IK4006128 - RFM TX5 VSWR THRESH1

Alarm	Attributes	Applicable major NE releases
Name: IK4006128 (2447) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: RFM TX5 VSWR THRESH1 (360) Implicitly cleared: true Default probable cause: adapterError (688)	<ul style="list-style-type: none"> LT6.0
Description: The antenna port return loss is below threshold.		
Impact: The eNodeB performance is low due to TX losses.		
Remedial action: Check the cabling between RFM output and antenna. Check the connection torque value between the RFM and the bulkhead.		

Table 22-392 IK4006129 - RFM TX6 VSWR THRESH1

Alarm	Attributes	Applicable major NE releases
Name: IK4006129 (2448) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: RFM TX6 VSWR THRESH1 (361) Implicitly cleared: true Default probable cause: adapterError (688)	<ul style="list-style-type: none"> LT6.0
Description: The antenna port return loss is below threshold.		
Impact: The eNodeB performance is low due to TX losses.		
Remedial action: Check the cabling between RFM output and antenna. Check the connection torque value between the RFM and the bulkhead.		

Table 22-393 IK4006130 - RFM TX7 VSWR THRESH1

Alarm	Attributes	Applicable major NE releases
Name: IK4006130 (2449) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: RFM TX7 VSWR THRESH1 (362) Implicitly cleared: true Default probable cause: adapterError (688)	<ul style="list-style-type: none"> LT6.0
Description: The antenna port return loss is below threshold.		
Impact: The eNodeB performance is low due to TX losses.		
Remedial action: Check the cabling between RFM output and antenna. Check the connection torque value between the RFM and the bulkhead.		

Table 22-394 IK4006131 - RFM TX8 VSWR THRESH1

Alarm	Attributes	Applicable major NE releases
Name: IK4006131 (2450) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: RFM TX8 VSWR THRESH1 (363) Implicitly cleared: true Default probable cause: adapterError (688)	<ul style="list-style-type: none"> LT6.0
Description: The antenna port return loss is below threshold.		
Impact: The eNodeB performance is low due to TX losses.		
Remedial action: Check the cabling between RFM output and antenna. Check the connection torque value between the RFM and the bulkhead.		

Table 22-395 IK4006132 - RFM TX3 VSWR THRESH2

Alarm	Attributes	Applicable major NE releases
Name: IK4006132 (2451) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: RFM TX3 VSWR THRESH2 (364) Implicitly cleared: true Default probable cause: adapterError (688)	<ul style="list-style-type: none"> LT6.0
Description: The antenna port return loss is below threshold.		
Impact: The eNodeB performance is low due to TX losses.		
Remedial action: Check the cabling between RFM output and antenna. Check the connection torque value between the RFM and the bulkhead.		

Table 22-396 IK4006133 - RFM TX4 VSWR THRESH2

Alarm	Attributes	Applicable major NE releases
Name: IK4006133 (2452) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: RFM TX4 VSWR THRESH2 (365) Implicitly cleared: true Default probable cause: adapterError (688)	<ul style="list-style-type: none"> LT6.0
Description: The antenna port return loss is below threshold.		
Impact: The eNodeB performance is low due to TX losses.		
Remedial action: Check the cabling between RFM output and antenna. Check the connection torque value between the RFM and the bulkhead.		

Table 22-397 IK4006134 - RFM TX5 VSWR THRESH2

Alarm	Attributes	Applicable major NE releases
Name: IK4006134 (2453) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: RFM TX5 VSWR THRESH2 (366) Implicitly cleared: true Default probable cause: adapterError (688)	<ul style="list-style-type: none"> LT6.0
Description: The antenna port return loss is below threshold.		
Impact: The eNodeB performance is low due to TX losses.		
Remedial action: Check the cabling between RFM output and antenna. Check the connection torque value between the RFM and the bulkhead.		

Table 22-398 IK4006135 - RFM TX6 VSWR THRESH2

Alarm	Attributes	Applicable major NE releases
Name: IK4006135 (2454) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: RFM TX6 VSWR THRESH2 (367) Implicitly cleared: true Default probable cause: adapterError (688)	<ul style="list-style-type: none"> LT6.0
Description: The antenna port return loss is below threshold.		
Impact: The eNodeB performance is low due to TX losses.		
Remedial action: Check the cabling between RFM output and antenna. Check the connection torque value between the RFM and the bulkhead.		

Table 22-399 IK4006136 - RFM TX7 VSWR THRESH2

Alarm	Attributes	Applicable major NE releases
Name: IK4006136 (2455) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: RFM TX7 VSWR THRESH2 (368) Implicitly cleared: true Default probable cause: adapterError (688)	<ul style="list-style-type: none"> LT6.0
Description: The antenna port return loss is below threshold.		
Impact: The eNodeB performance is low due to TX losses.		
Remedial action: Check the cabling between RFM output and antenna. Check the connection torque value between the RFM and the bulkhead.		

Table 22-400 IK4006137 - RFM TX8 VSWR THRESH2

Alarm	Attributes	Applicable major NE releases
Name: IK4006137 (2456) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: RFM TX8 VSWR THRESH2 (369) Implicitly cleared: true Default probable cause: adapterError (688)	<ul style="list-style-type: none"> LT6.0
Description: The antenna port return loss is below threshold.		
Impact: The eNodeB performance is low due to TX losses.		
Remedial action: Check the cabling between RFM output and antenna. Check the connection torque value between the RFM and the bulkhead.		

Table 22-401 IK4006138 - RFM RX3 VSWR THRESH

Alarm	Attributes	Applicable major NE releases
Name: IK4006138 (2457) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: RFM RX3 VSWR THRESH (370) Implicitly cleared: true Default probable cause: adapterError (688)	<ul style="list-style-type: none"> LT6.0
Description: The antenna port return loss is below threshold.		
Impact: The eNodeB performance is low due to RX losses.		
Remedial action: Check the cabling between RFM output and antenna. Check the connection torque value between the RFM and the bulkhead.		

Table 22-402 IK4006139 - RFM RX4 VSWR THRESH

Alarm	Attributes	Applicable major NE releases
Name: IK4006139 (2458) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: RFM RX4 VSWR THRESH (371) Implicitly cleared: true Default probable cause: adapterError (688)	<ul style="list-style-type: none"> LT6.0
Description: The antenna port return loss is below threshold.		
Impact: The eNodeB performance is low due to RX losses.		
Remedial action: Check the cabling between RFM output and antenna. Check the connection torque value between the RFM and the bulkhead.		

Table 22-403 IK4006140 - RFM RX5 VSWR THRESH

Alarm	Attributes	Applicable major NE releases
Name: IK4006140 (2459) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: RFM RX5 VSWR THRESH (372) Implicitly cleared: true Default probable cause: adapterError (688)	<ul style="list-style-type: none"> LT6.0
Description: The antenna port return loss is below threshold.		
Impact: The eNodeB performance is low due to RX losses.		
Remedial action: Check the cabling between RFM output and antenna. Check the connection torque value between the RFM and the bulkhead.		

Table 22-404 IK4006141 - RFM RX6 VSWR THRESH

Alarm	Attributes	Applicable major NE releases
Name: IK4006141 (2460) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: RFM RX6 VSWR THRESH (373) Implicitly cleared: true Default probable cause: adapterError (688)	<ul style="list-style-type: none"> LT6.0
Description: The antenna port return loss is below threshold.		
Impact: The eNodeB performance is low due to RX losses.		
Remedial action: Check the cabling between RFM output and antenna. Check the connection torque value between the RFM and the bulkhead.		

Table 22-405 IK4006142 - RFM RX7 VSWR THRESH

Alarm	Attributes	Applicable major NE releases
Name: IK4006142 (2461) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: RFM RX7 VSWR THRESH (374) Implicitly cleared: true Default probable cause: adapterError (688)	<ul style="list-style-type: none"> LT6.0
Description: The antenna port return loss is below threshold.		
Impact: The eNodeB performance is low due to RX losses.		
Remedial action: Check the cabling between RFM output and antenna. Check the connection torque value between the RFM and the bulkhead.		

Table 22-406 IK4006143 - RFM RX8 VSWR THRESH

Alarm	Attributes	Applicable major NE releases
Name: IK4006143 (2462) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: RFM RX8 VSWR THRESH (375) Implicitly cleared: true Default probable cause: adapterError (688)	<ul style="list-style-type: none"> LT6.0
Description: The antenna port return loss is below threshold.		
Impact: The eNodeB performance is low due to RX losses.		
Remedial action: Check the cabling between RFM output and antenna. Check the connection torque value between the RFM and the bulkhead.		

Table 22-407 IK4006144 - RFM LNA3 FAIL

Alarm	Attributes	Applicable major NE releases
Name: IK4006144 (2463) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: minor Specific problem: RFM LNA3 FAIL (376) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LT6.0
Description: This alarm indicates that the external filter module has detected an LNA failure.		
Impact: No impact on eNodeB.		
Remedial action: Replace the external filter module.		

Table 22-408 IK4006145 - RFM LNA4 FAIL

Alarm	Attributes	Applicable major NE releases
Name: IK4006145 (2464) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: minor Specific problem: RFM LNA4 FAIL (377) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LT6.0
Description: This alarm indicates that the external filter module has detected an LNA failure.		
Impact: No impact on eNodeB.		
Remedial action: Replace the external filter module.		

Table 22-409 IK4006146 - RFM LNA5 FAIL

Alarm	Attributes	Applicable major NE releases
Name: IK4006146 (2465) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: minor Specific problem: RFM LNA5 FAIL (378) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LT6.0
Description: This alarm indicates that the external filter module has detected an LNA failure.		
Impact: No impact on eNodeB.		
Remedial action: Replace the external filter module.		

Table 22-410 IK4006147 - RFM LNA6 FAIL

Alarm	Attributes	Applicable major NE releases
Name: IK4006147 (2466) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: minor Specific problem: RFM LNA6 FAIL (379) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LT6.0
Description: This alarm indicates that the external filter module has detected an LNA failure.		
Impact: No impact on eNodeB.		
Remedial action: Replace the external filter module.		

Table 22-411 IK4006148 - RFM LNA7 FAIL

Alarm	Attributes	Applicable major NE releases
Name: IK4006148 (2467) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: minor Specific problem: RFM LNA7 FAIL (380) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LT6.0
Description: This alarm indicates that the external filter module has detected an LNA failure.		
Impact: No impact on eNodeB.		
Remedial action: Replace the external filter module.		

Table 22-412 IK4006149 - RFM LNA8 FAIL

Alarm	Attributes	Applicable major NE releases
Name: IK4006149 (2468) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: minor Specific problem: RFM LNA8 FAIL (381) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LT6.0
Description: This alarm indicates that the external filter module has detected an LNA failure.		
Impact: No impact on eNodeB.		
Remedial action: Replace the external filter module.		

Table 22-413 IK4006158 - RFM ANT CAL FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4006158 (2477) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: critical Specific problem: RFM ANT CAL FAILURE (382) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR13.1 LR13.3 LR14.1.L LT6.0
Description: This alarm indicates the antenna is out of calibration in a cell.		
Impact: The eNodeB performance is low.		
Remedial action: Check the antenna calibration.		

Table 22-414 IK4006159 - RFM ANT PERIODIC CAL FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4006159 (2478) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: RFM ANT PERIODIC CAL FAILURE (383) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR13.1 LR13.3 LR14.1.L LT6.0
Description: This alarm indicates the antenna periodic calibration has failed.		
Impact: No impact on eNodeB.		
Remedial action: Check the antenna calibration.		

Table 22-415 IK4006181 - RFM GAIN CONTROL WARNING TX1

Alarm	Attributes	Applicable major NE releases
Name: IK4006181 (2500) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: RFM GAIN CONTROL WARNING TX1 (405) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LT6.0
Description: This alarm indicates that the transmit attenuation limit is reached, or an internal gain error is detected.		
Impact: The module is not usable. The LTE cells associated with this module are not operational.		
Remedial action: Reset the RFM. If the alarm persists, replace RFM.		

Table 22-416 IK4006182 - RFM GAIN CONTROL WARNING TX2

Alarm	Attributes	Applicable major NE releases
Name: IK4006182 (2501) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: RFM GAIN CONTROL WARNING TX2 (406) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LT6.0
Description: This alarm indicates that the transmit attenuation limit is reached, or an internal gain error is detected.		
Impact: The module is not usable. The LTE cells associated with this module are not operational.		
Remedial action: Reset the RFM. If the alarm persists, replace RFM.		

Table 22-417 IK4006183 - RFM GAIN CONTROL WARNING TX3

Alarm	Attributes	Applicable major NE releases
Name: IK4006183 (2502) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: RFM GAIN CONTROL WARNING TX3 (407) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LT6.0
Description: This alarm indicates that the transmit attenuation limit is reached, or an internal gain error is detected.		
Impact: The module is not usable. The LTE cells associated with this module are not operational.		
Remedial action: Reset the RFM. If the alarm persists, replace RFM.		

Table 22-418 IK4006184 - RFM GAIN CONTROL WARNING TX4

Alarm	Attributes	Applicable major NE releases
Name: IK4006184 (2503) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: RFM GAIN CONTROL WARNING TX4 (408) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LT6.0
Description: This alarm indicates that the transmit attenuation limit is reached, or an internal gain error is detected.		
Impact: The module is not usable. The LTE cells associated with this module are not operational.		
Remedial action: Reset the RFM. If the alarm persists, replace RFM.		

Table 22-419 IK4006185 - RFM GAIN CONTROL WARNING TX5

Alarm	Attributes	Applicable major NE releases
Name: IK4006185 (2504) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: RFM GAIN CONTROL WARNING TX5 (409) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LT6.0
Description: This alarm indicates that the transmit attenuation limit is reached, or an internal gain error is detected.		
Impact: The module is not usable. The LTE cells associated with this module are not operational.		
Remedial action: Reset the RFM. If the alarm persists, replace RFM.		

Table 22-420 IK4006186 - RFM GAIN CONTROL WARNING TX6

Alarm	Attributes	Applicable major NE releases
Name: IK4006186 (2505) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: RFM GAIN CONTROL WARNING TX6 (410) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LT6.0
Description: This alarm indicates that the transmit attenuation limit is reached, or an internal gain error is detected.		
Impact: The module is not usable. The LTE cells associated with this module are not operational.		
Remedial action: Reset the RFM. If the alarm persists, replace RFM.		

Table 22-421 IK4006187 - RFM GAIN CONTROL WARNING TX7

Alarm	Attributes	Applicable major NE releases
Name: IK4006187 (2506) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: RFM GAIN CONTROL WARNING TX7 (411) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LT6.0
Description: This alarm indicates that the transmit attenuation limit is reached, or an internal gain error is detected.		
Impact: The module is not usable. The LTE cells associated with this module are not operational.		
Remedial action: Reset the RFM. If the alarm persists, replace RFM.		

Table 22-422 IK4006188 - RFM GAIN CONTROL WARNING TX8

Alarm	Attributes	Applicable major NE releases
Name: IK4006188 (2507) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: RFM GAIN CONTROL WARNING TX8 (412) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LT6.0
Description: This alarm indicates that the transmit attenuation limit is reached, or an internal gain error is detected.		
Impact: The module is not usable. The LTE cells associated with this module are not operational.		
Remedial action: Reset the RFM. If the alarm persists, replace RFM.		

Table 22-423 IK4006197 - RFM MESSAGE THROTTLING

Alarm	Attributes	Applicable major NE releases
Name: IK4006197 (2516) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: minor Specific problem: RFM MESSAGE THROTTLING (413) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR13.1 LR13.3 LR14.1.L LT6.0
Description: This alarm indicates the RFM is generating too many messages over the CPRI link.		
Impact: No impact on eNodeB.		
Remedial action: Reset the RFM.		

Table 22-424 IK4006214 - RFM FAULT 1

Alarm	Attributes	Applicable major NE releases
Name: IK4006214 (3008) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: minor Specific problem: RFM FAULT 1 (414) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LT6.0
Description: Unspecified RFM fault detected		
Impact: Check the additional info for impact details.		
Remedial action: Check the additional information for maintenance action details.		

Table 22-425 IK4006215 - RFM FAULT 2

Alarm	Attributes	Applicable major NE releases
Name: IK4006215 (3009) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: minor Specific problem: RFM FAULT 2 (415) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR13.1 LR13.3 LR14.1.L LT6.0
Description: Provisioned for late churn-in. Unspecified RFM fault detected		
Impact: Check the additional info for impact details.		
Remedial action: Check the additional information for maintenance action details.		

Table 22-426 IK4006216 - RFM FAULT 3

Alarm	Attributes	Applicable major NE releases
Name: IK4006216 (3010) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: minor Specific problem: RFM FAULT 3 (416) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR13.1 LR13.3 LR14.1.L LT6.0
Description: Provisioned for late churn-in. Unspecified RFM fault detected		
Impact: Check the additional info for impact details.		
Remedial action: Check the additional information for maintenance action details.		

Table 22-427 IK4006217 - RFM FAULT 4

Alarm	Attributes	Applicable major NE releases
Name: IK4006217 (3011) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: minor Specific problem: RFM FAULT 4 (417) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. Unspecified RFM fault detected		
Impact: Check the additional info for impact details.		
Remedial action: Check the additional information for maintenance action details.		

Table 22-428 IK4006218 - RFM FAULT 5

Alarm	Attributes	Applicable major NE releases
Name: IK4006218 (3012) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: minor Specific problem: RFM FAULT 5 (418) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. Unspecified RFM fault detected		
Impact: Check the additional info for impact details.		
Remedial action: Check the additional information for maintenance action details.		

Table 22-429 IK4006219 - RFM UNREADABLE MANUFACTURER DATA ATTACHED HW

Alarm	Attributes	Applicable major NE releases
Name: IK4006219 (3013) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: RFM UNREADABLE MANUFACTURER DATA ATTACHED HW (419) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates the failure to read the inventory record of an attached hardware (e.g. RDEM).		
Impact: Cells related to RFM are out of service.		
Remedial action: Check the attached hardware.		

Table 22-430 IK4006236 - RFM TTLNA1

Alarm	Attributes	Applicable major NE releases
Name: IK4006236 (3014) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: critical Specific problem: RFM TTLNA1 (420) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3
Description: This alarm indicates that the tower-top amplifier has failed or gone into bypass.		
Impact: The eNodeB performance is low.		
Remedial action: Check the tower-top amplifier.		

Table 22-431 IK4006237 - RFM TTLNA2

Alarm	Attributes	Applicable major NE releases
Name: IK4006237 (3015) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: critical Specific problem: RFM TTLNA2 (421) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3
Description: This alarm indicates that the tower-top amplifier has failed or gone into bypass.		
Impact: The eNodeB performance is low.		
Remedial action: Check the tower-top amplifier.		

Table 22-432 IK4006238 - RFM TTLNA3

Alarm	Attributes	Applicable major NE releases
Name: IK4006238 (3016) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: critical Specific problem: RFM TTLNA3 (422) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3
Description: This alarm indicates that the tower-top amplifier has failed or gone into bypass.		
Impact: The eNodeB performance is low.		
Remedial action: Check the tower-top amplifier.		

Table 22-433 IK4006239 - RFM TTLNA4

Alarm	Attributes	Applicable major NE releases
Name: IK4006239 (3017) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: critical Specific problem: RFM TTLNA4 (423) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3
Description: This alarm indicates that the tower-top amplifier has failed or gone into bypass.		
Impact: The eNodeB performance is low.		
Remedial action: Check the tower-top amplifier.		

Table 22-434 IK4006240 - RFM TTLNA5

Alarm	Attributes	Applicable major NE releases
Name: IK4006240 (3018) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: critical Specific problem: RFM TTLNA5 (424) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3
Description: This alarm indicates that the tower-top amplifier has failed or gone into bypass.		
Impact: The eNodeB performance is low.		
Remedial action: Check the tower-top amplifier.		

Table 22-435 IK4006241 - RFM TTLNA6

Alarm	Attributes	Applicable major NE releases
Name: IK4006241 (3019) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: critical Specific problem: RFM TTLNA6 (425) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3
Description: This alarm indicates that the tower-top amplifier has failed or gone into bypass.		
Impact: The eNodeB performance is low.		
Remedial action: Check the tower-top amplifier.		

Table 22-436 IK4006242 - RFM TTLNA7

Alarm	Attributes	Applicable major NE releases
Name: IK4006242 (3020) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: critical Specific problem: RFM TTLNA7 (426) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3
Description: This alarm indicates that the tower-top amplifier has failed or gone into bypass.		
Impact: The eNodeB performance is low.		
Remedial action: Check the tower-top amplifier.		

Table 22-437 IK4006243 - RFM TTLNA8

Alarm	Attributes	Applicable major NE releases
Name: IK4006243 (3021) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: critical Specific problem: RFM TTLNA8 (427) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3
Description: This alarm indicates that the tower-top amplifier has failed or gone into bypass.		
Impact: The eNodeB performance is low.		
Remedial action: Check the tower-top amplifier.		

Table 22-438 IK4006244 - RFM LINK LOF PORT1

Alarm	Attributes	Applicable major NE releases
Name: IK4006244 (3022) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: critical Specific problem: RFM LINK LOF PORT1 (428) Implicitly cleared: true Default probable cause: inputDeviceError (704)	<ul style="list-style-type: none"> • LT6.0
Description: This alarm indicates that framing cannot be recovered at the slave link port. This alarm is enabled only after the link is established.		
Impact: Possibly repetitions at higher levels. The capacity of the module can be reduced.		
Remedial action: Check the CPRI cable and connections, replace the SFP (RFM or CB end).		

Table 22-439 IK4006245 - RFM LINK LOF PORT2

Alarm	Attributes	Applicable major NE releases
Name: IK4006245 (3023) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: critical Specific problem: RFM LINK LOF PORT2 (429) Implicitly cleared: true Default probable cause: inputDeviceError (704)	<ul style="list-style-type: none"> LT6.0
Description: This alarm indicates that framing cannot be recovered at the slave link port. This alarm is enabled only after the link is established.		
Impact: Possibly repetitions at higher levels. The capacity of the module can be reduced.		
Remedial action: Check the CPRI cable and connections, replace the SFP (RFM or CB end).		

Table 22-440 IK4006246 - RFM LINK LOF PORT3

Alarm	Attributes	Applicable major NE releases
Name: IK4006246 (3024) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: critical Specific problem: RFM LINK LOF PORT3 (430) Implicitly cleared: true Default probable cause: inputDeviceError (704)	<ul style="list-style-type: none"> LT6.0
Description: This alarm indicates that framing cannot be recovered at the slave link port. This alarm is enabled only after the link is established.		
Impact: Possibly repetitions at higher levels. The capacity of the module can be reduced.		
Remedial action: Check the CPRI cable and connections, replace the SFP (RFM or CB end).		

Table 22-441 IK4006247 - RFM LINK LOS PORT1

Alarm	Attributes	Applicable major NE releases
Name: IK4006247 (3025) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: critical Specific problem: RFM LINK LOS PORT1 (431) Implicitly cleared: true Default probable cause: inputDeviceError (704)	<ul style="list-style-type: none"> LT6.0
Description: This alarm indicates that no signal is detected at the link port. This alarm is enabled only after the link is established.		
Impact: Possibly repetitions at higher levels. The capacity of the module can be reduced.		
Remedial action: Check the CPRI cable and connections, replace the SFP (RFM or CB end).		

Table 22-442 IK4006248 - RFM LINK LOS PORT2

Alarm	Attributes	Applicable major NE releases
Name: IK4006248 (3026) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: critical Specific problem: RFM LINK LOS PORT2 (432) Implicitly cleared: true Default probable cause: inputDeviceError (704)	<ul style="list-style-type: none"> LT6.0
Description: This alarm indicates that no signal is detected at the link port. This alarm is enabled only after the link is established.		
Impact: Possibly repetitions at higher levels. The capacity of the module can be reduced.		
Remedial action: Check the CPRI cable and connections, replace the SFP (RFM or CB end).		

Table 22-443 IK4006249 - RFM LINK LOS PORT3

Alarm	Attributes	Applicable major NE releases
Name: IK4006249 (3027) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: critical Specific problem: RFM LINK LOS PORT3 (433) Implicitly cleared: true Default probable cause: inputDeviceError (704)	<ul style="list-style-type: none"> LT6.0
Description: This alarm indicates that no signal is detected at the link port. This alarm is enabled only after the link is established.		
Impact: Possibly repetitions at higher levels. The capacity of the module can be reduced.		
Remedial action: Check the CPRI cable and connections, replace the SFP (RFM or CB end).		

Table 22-444 IK4006250 - RFM LINK RAI PORT1

Alarm	Attributes	Applicable major NE releases
Name: IK4006250 (3028) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: critical Specific problem: RFM LINK RAI PORT1 (434) Implicitly cleared: true Default probable cause: inputDeviceError (704)	<ul style="list-style-type: none"> LT6.0
Description: This alarm indicates that the incoming slave link RAI bit is set.		
Impact: Possibly repetitions at higher levels. The capacity of the module can be reduced.		
Remedial action: Check the CPRI cable and connections, replace the SFP (RFM or CB end).		

Table 22-445 IK4006251 - RFM LINK RAI PORT2

Alarm	Attributes	Applicable major NE releases
Name: IK4006251 (3029) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: critical Specific problem: RFM LINK RAI PORT2 (435) Implicitly cleared: true Default probable cause: inputDeviceError (704)	<ul style="list-style-type: none"> LT6.0
Description: This alarm indicates that the incoming slave link RAI bit is set.		
Impact: Possibly repetitions at higher levels. The capacity of the module can be reduced.		
Remedial action: Check the CPRI cable and connections, replace the SFP (RFM or CB end).		

Table 22-446 IK4006252 - RFM LINK RAI PORT3

Alarm	Attributes	Applicable major NE releases
Name: IK4006252 (3030) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: critical Specific problem: RFM LINK RAI PORT3 (436) Implicitly cleared: true Default probable cause: inputDeviceError (704)	<ul style="list-style-type: none"> LT6.0
Description: This alarm indicates that the incoming slave link RAI bit is set.		
Impact: Possibly repetitions at higher levels. The capacity of the module can be reduced.		
Remedial action: Check the CPRI cable and connections, replace the SFP (RFM or CB end).		

Table 22-447 IK4006253 - RFM SIGNAL LOW PORT1

Alarm	Attributes	Applicable major NE releases
Name: IK4006253 (3031) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: minor Specific problem: RFM SIGNAL LOW PORT1 (437) Implicitly cleared: true Default probable cause: inputDeviceError (704)	<ul style="list-style-type: none"> LR13.1 LR13.3 LR14.1.L LT6.0
Description: This alarm indicates that the optical signal strength is very low on the slave link port.		
Impact: No impact on eNodeB.		
Remedial action: Check the CPRI cable and connections, replace the SFP (RFM or CB end).		

Table 22-448 IK4006254 - RFM SIGNAL LOW PORT2

Alarm	Attributes	Applicable major NE releases
Name: IK4006254 (3032) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: minor Specific problem: RFM SIGNAL LOW PORT2 (438) Implicitly cleared: true Default probable cause: inputDeviceError (704)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that the optical signal strength is very low on the slave link port.		
Impact: No impact on eNodeB.		
Remedial action: Check the CPRI cable and connections, replace the SFP (RFM or CB end).		

Table 22-449 IK4006255 - RFM SIGNAL LOW PORT3

Alarm	Attributes	Applicable major NE releases
Name: IK4006255 (3033) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: minor Specific problem: RFM SIGNAL LOW PORT3 (439) Implicitly cleared: true Default probable cause: inputDeviceError (704)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that the optical signal strength is very low on the slave link port.		
Impact: No impact on eNodeB.		
Remedial action: Check the CPRI cable and connections, replace the SFP (RFM or CB end).		

Table 22-450 IK4006256 - RFM TRANS TX FAILURE PORT1

Alarm	Attributes	Applicable major NE releases
Name: IK4006256 (3034) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: RFM TRANS TX FAILURE PORT1 (440) Implicitly cleared: true Default probable cause: inputDeviceError (704)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a failure of the optical transceiver.		
Impact: No impact on eNodeB.		
Remedial action: Replace the RFM SFP		

Table 22-451 IK4006257 - RFM TRANS TX FAILURE PORT2

Alarm	Attributes	Applicable major NE releases
Name: IK4006257 (3035) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: RFM TRANS TX FAILURE PORT2 (441) Implicitly cleared: true Default probable cause: inputDeviceError (704)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a failure of the optical transceiver.		
Impact: No impact on eNodeB.		
Remedial action: Replace the RFM SFP		

Table 22-452 IK4006258 - RFM TRANS TX FAILURE PORT3

Alarm	Attributes	Applicable major NE releases
Name: IK4006258 (3036) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: RFM TRANS TX FAILURE PORT3 (442) Implicitly cleared: true Default probable cause: inputDeviceError (704)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a failure of the optical transceiver.		
Impact: No impact on eNodeB.		
Remedial action: Replace the RFM SFP		

Table 22-453 IK4006259 - RFM BER PORT1

Alarm	Attributes	Applicable major NE releases
Name: IK4006259 (3037) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: minor Specific problem: RFM BER PORT1 (443) Implicitly cleared: true Default probable cause: inputDeviceError (704)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates excessive bit errors on the CPRI link.		
Impact: No impact on eNodeB.		
Remedial action: Check the CPRI cable and connections, replace the SFP (RFM or CB end).		

Table 22-454 IK4006260 - RFM BER PORT2

Alarm	Attributes	Applicable major NE releases
Name: IK4006260 (3038) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: minor Specific problem: RFM BER PORT2 (444) Implicitly cleared: true Default probable cause: inputDeviceError (704)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates excessive bit errors on the CPRI link.		
Impact: No impact on eNodeB.		
Remedial action: Check the CPRI cable and connections, replace the SFP (RFM or CB end).		

Table 22-455 IK4006261 - RFM BER PORT3

Alarm	Attributes	Applicable major NE releases
Name: IK4006261 (3039) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: minor Specific problem: RFM BER PORT3 (445) Implicitly cleared: true Default probable cause: inputDeviceError (704)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates excessive bit errors on the CPRI link.		
Impact: No impact on eNodeB.		
Remedial action: Check the CPRI cable and connections, replace the SFP (RFM or CB end).		

Table 22-456 IK4006262 - RFM SIGNAL SDI PORT1

Alarm	Attributes	Applicable major NE releases
Name: IK4006262 (3040) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: RFM SIGNAL SDI PORT1 (446) Implicitly cleared: true Default probable cause: inputDeviceError (704)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that the incoming CPRI link SDI bit is set.		
Impact: No impact on eNodeB.		
Remedial action: Reset RFM. If the alarm persists then reset the CB.		

Table 22-457 IK4006263 - RFM SIGNAL SDI PORT2

Alarm	Attributes	Applicable major NE releases
Name: IK4006263 (3041) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: RFM SIGNAL SDI PORT2 (447) Implicitly cleared: true Default probable cause: inputDeviceError (704)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that the incoming CPRI link SDI bit is set.		
Impact: No impact on eNodeB.		
Remedial action: Reset RFM. If the alarm persists then reset the CB.		

Table 22-458 IK4006264 - RFM SIGNAL SDI PORT3

Alarm	Attributes	Applicable major NE releases
Name: IK4006264 (3042) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: RFM SIGNAL SDI PORT3 (448) Implicitly cleared: true Default probable cause: inputDeviceError (704)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that the incoming CPRI link SDI bit is set.		
Impact: No impact on eNodeB.		
Remedial action: Reset RFM. If the alarm persists then reset the CB.		

Table 22-459 IK4006265 - RFM DL IDLE PATTERN MISMATCH

Alarm	Attributes	Applicable major NE releases
Name: IK4006265 (3043) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: RFM DL IDLE PATTERN MISMATCH (449) Implicitly cleared: true Default probable cause: inputDeviceError (704)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that DL idle patterns are detected (delay calibration failure).		
Impact: No impact on eNodeB.		
Remedial action: Reset the RFM. If the alarm persists, call the next level of support.		

Table 22-460 IK4006272 - RFM TX1 VSWR THRESH1

Alarm	Attributes	Applicable major NE releases
Name: IK4006272 (3050) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: minor Specific problem: RFM TX1 VSWR THRESH1 (314) Implicitly cleared: true Default probable cause: adapterError (688)	<ul style="list-style-type: none"> • LR13.1 • LR13.3
Description: The antenna port return loss is below threshold.		
Impact: The eNodeB performance is low due to TX losses.		
Remedial action: Check the cabling between RFM output and antenna. Check the connection torque value between the RFM and the bulkhead.		

Table 22-461 IK4006273 - RFM TX2 VSWR THRESH1

Alarm	Attributes	Applicable major NE releases
Name: IK4006273 (3051) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: minor Specific problem: RFM TX2 VSWR THRESH1 (315) Implicitly cleared: true Default probable cause: adapterError (688)	<ul style="list-style-type: none"> • LR13.1 • LR13.3
Description: The antenna port return loss is below threshold.		
Impact: The eNodeB performance is low due to TX losses.		
Remedial action: Check the cabling between RFM output and antenna. Check the connection torque value between the RFM and the bulkhead.		

Table 22-462 IK4006274 - RFM TX3 VSWR THRESH1

Alarm	Attributes	Applicable major NE releases
Name: IK4006274 (3052) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: minor Specific problem: RFM TX3 VSWR THRESH1 (358) Implicitly cleared: true Default probable cause: adapterError (688)	<ul style="list-style-type: none"> • LR13.1 • LR13.3
Description: The antenna port return loss is below threshold.		
Impact: The eNodeB performance is low due to TX losses.		
Remedial action: Check the cabling between RFM output and antenna. Check the connection torque value between the RFM and the bulkhead.		

Table 22-463 IK4006275 - RFM TX4 VSWR THRESH1

Alarm	Attributes	Applicable major NE releases
Name: IK4006275 (3053) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: minor Specific problem: RFM TX4 VSWR THRESH1 (359) Implicitly cleared: true Default probable cause: adapterError (688)	<ul style="list-style-type: none"> • LR13.1 • LR13.3
Description: The antenna port return loss is below threshold.		
Impact: The eNodeB performance is low due to TX losses.		
Remedial action: Check the cabling between RFM output and antenna. Check the connection torque value between the RFM and the bulkhead.		

Table 22-464 IK4006276 - RFM TX5 VSWR THRESH1

Alarm	Attributes	Applicable major NE releases
Name: IK4006276 (3054) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: minor Specific problem: RFM TX5 VSWR THRESH1 (360) Implicitly cleared: true Default probable cause: adapterError (688)	<ul style="list-style-type: none"> • LR13.1 • LR13.3
Description: The antenna port return loss is below threshold.		
Impact: The eNodeB performance is low due to TX losses.		
Remedial action: Check the cabling between RFM output and antenna. Check the connection torque value between the RFM and the bulkhead.		

Table 22-465 IK4006277 - RFM TX6 VSWR THRESH1

Alarm	Attributes	Applicable major NE releases
Name: IK4006277 (3055) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: minor Specific problem: RFM TX6 VSWR THRESH1 (361) Implicitly cleared: true Default probable cause: adapterError (688)	<ul style="list-style-type: none"> • LR13.1 • LR13.3
Description: The antenna port return loss is below threshold.		
Impact: The eNodeB performance is low due to TX losses.		
Remedial action: Check the cabling between RFM output and antenna. Check the connection torque value between the RFM and the bulkhead.		

Table 22-466 IK4006278 - RFM TX7 VSWR THRESH1

Alarm	Attributes	Applicable major NE releases
Name: IK4006278 (3056) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: minor Specific problem: RFM TX7 VSWR THRESH1 (362) Implicitly cleared: true Default probable cause: adapterError (688)	<ul style="list-style-type: none"> • LR13.1 • LR13.3
Description: The antenna port return loss is below threshold.		
Impact: The eNodeB performance is low due to TX losses.		
Remedial action: Check the cabling between RFM output and antenna. Check the connection torque value between the RFM and the bulkhead.		

Table 22-467 IK4006279 - RFM TX8 VSWR THRESH1

Alarm	Attributes	Applicable major NE releases
Name: IK4006279 (3057) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: minor Specific problem: RFM TX8 VSWR THRESH1 (363) Implicitly cleared: true Default probable cause: adapterError (688)	<ul style="list-style-type: none"> • LR13.1 • LR13.3
Description: The antenna port return loss is below threshold.		
Impact: The eNodeB performance is low due to TX losses.		
Remedial action: Check the cabling between RFM output and antenna. Check the connection torque value between the RFM and the bulkhead.		

Table 22-468 IK4006280 - RFM RF PATHS NOT AVAILABLE

Alarm	Attributes	Applicable major NE releases
Name: IK4006280 (3770) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: critical Specific problem: RFM RF PATHS NOT AVAILABLE (450) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that the RFM is shared with another technology which has locked the RFM operation.		
Impact: Cells supported by this RFM are disabled while the alarm is set.		
Remedial action: Enable the RFM operation through the other technology OMC.		

Table 22-469 IK4006281 - RFM INTERNAL RRH COMM FAIL

Alarm	Attributes	Applicable major NE releases
Name: IK4006281 (3651) Type: communicationsAlarm (4) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: RFM INTERNAL RRH COMM FAIL (451) Implicitly cleared: true Default probable cause: inputDeviceError (704)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Communication has failed between the two subunits that make up this RFM.		
Impact: The cell supported on this RFM is degraded or failed if any or all of its paths use antenna ports supported on the far subunit.		
Remedial action: Check the inter-subunit CPRI link and SFPs for failure check the far end subunit for failure. Reset the RFM if no physical failure is found.		

Table 22-470 IK4006282 - RFM HW CONFIG MISMATCH

Alarm	Attributes	Applicable major NE releases
Name: IK4006282 (3652) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: critical Specific problem: RFM HW CONFIG MISMATCH (452) Implicitly cleared: true Default probable cause: inputDeviceError (704)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: The two subunits that make up this RFM are not of the same type.		
Impact: Cells assigned to this RFM remain disabled until the fault is corrected.		
Remedial action: Replace one or both subunits so that they are both of the same type.		

Table 22-471 IK4006283 - RFM HW ASSIGNMENT INDETERMINATE

Alarm	Attributes	Applicable major NE releases
Name: IK4006283 (3653) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: critical Specific problem: RFM HW ASSIGNMENT INDETERMINATE (453) Implicitly cleared: true Default probable cause: inputDeviceError (704)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: The two subunits that make up this RFM are both configured with the same subunit number.		
Impact: Cells assigned to this RFM remain disabled until the fault is corrected.		
Remedial action: Ensure that each RFM subunit has the proper connector to indicate that it is the first or the second subunit.		

Table 22-472 IK4006284 - RFM ALD BUS OVERCURRENT

Alarm	Attributes	Applicable major NE releases
Name: IK4006284 (3654) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: minor Specific problem: RFM ALD BUS OVERCURRENT (454) Implicitly cleared: true Default probable cause: inputDeviceError (704)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: The AISG bus attached to this RFM is drawing too much DC electric current.		
Impact: TMAs or RETs connected to this RFM may not function properly, degrading receive path gain or preventing antenna tilt control.		
Remedial action: Ensure that the number of AISG devices and their individual current loads do not exceed the RFM limit. Check the AISG bus cable for short circuit, check for one or more failed AISG devices on the bus.		

Table 22-473 IK4006285 - RFM LINK LOF PORT1

Alarm	Attributes	Applicable major NE releases
Name: IK4006285 (3655) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: RFM LINK LOF PORT1 (428) Implicitly cleared: true Default probable cause: inputDeviceError (704)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that framing cannot be recovered at the slave link port.		
Impact: Possibly repetitions at higher levels. The capacity of the module can be reduced.		
Remedial action: Check the CPRI cable and connections, replace the SFP (RFM or CB end).		

Table 22-474 IK4006286 - RFM LINK LOF PORT2

Alarm	Attributes	Applicable major NE releases
Name: IK4006286 (3656) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: RFM LINK LOF PORT2 (429) Implicitly cleared: true Default probable cause: inputDeviceError (704)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that framing cannot be recovered at the slave link port.		
Impact: Possibly repetitions at higher levels. The capacity of the module can be reduced.		
Remedial action: Check the CPRI cable and connections, replace the SFP (RFM or CB end).		

Table 22-475 IK4006287 - RFM LINK LOF PORT3

Alarm	Attributes	Applicable major NE releases
Name: IK4006287 (3657) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: RFM LINK LOF PORT3 (430) Implicitly cleared: true Default probable cause: inputDeviceError (704)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that framing cannot be recovered at the slave link port.		
Impact: Possibly repetitions at higher levels. The capacity of the module can be reduced.		
Remedial action: Check the CPRI cable and connections, replace the SFP (RFM or CB end).		

Table 22-476 IK4006288 - RFM LINK LOS PORT1

Alarm	Attributes	Applicable major NE releases
Name: IK4006288 (3658) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: RFM LINK LOS PORT1 (431) Implicitly cleared: true Default probable cause: inputDeviceError (704)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that no signal is detected at the link port.		
Impact: Possibly repetitions at higher levels. The capacity of the module can be reduced.		
Remedial action: Check the CPRI cable and connections, replace the SFP (RFM or CB end).		

Table 22-477 IK4006289 - RFM LINK LOS PORT2

Alarm	Attributes	Applicable major NE releases
Name: IK4006289 (3659) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: RFM LINK LOS PORT2 (432) Implicitly cleared: true Default probable cause: inputDeviceError (704)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that no signal is detected at the link port.		
Impact: Possibly repetitions at higher levels. The capacity of the module can be reduced.		
Remedial action: Check the CPRI cable and connections, replace the SFP (RFM or CB end).		

Table 22-478 IK4006290 - RFM LINK LOS PORT3

Alarm	Attributes	Applicable major NE releases
Name: IK4006290 (3660) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: RFM LINK LOS PORT3 (433) Implicitly cleared: true Default probable cause: inputDeviceError (704)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that no signal is detected at the link port.		
Impact: Possibly repetitions at higher levels. The capacity of the module can be reduced.		
Remedial action: Check the CPRI cable and connections, replace the SFP (RFM or CB end).		

Table 22-479 IK4006291 - RFM LINK RAI PORT1

Alarm	Attributes	Applicable major NE releases
Name: IK4006291 (3661) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: RFM LINK RAI PORT1 (434) Implicitly cleared: true Default probable cause: inputDeviceError (704)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that the incoming slave link RAI bit is set.		
Impact: Possibly repetitions at higher levels. The capacity of the module can be reduced.		
Remedial action: Check the CPRI cable and connections, replace the SFP (RFM or CB end).		

Table 22-480 IK4006292 - RFM LINK RAI PORT2

Alarm	Attributes	Applicable major NE releases
Name: IK4006292 (3662) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: RFM LINK RAI PORT2 (435) Implicitly cleared: true Default probable cause: inputDeviceError (704)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that the incoming slave link RAI bit is set.		
Impact: Possibly repetitions at higher levels. The capacity of the module can be reduced.		
Remedial action: Check the CPRI cable and connections, replace the SFP (RFM or CB end).		

Table 22-481 IK4006293 - RFM LINK RAI PORT3

Alarm	Attributes	Applicable major NE releases
Name: IK4006293 (3663) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: RFM LINK RAI PORT3 (436) Implicitly cleared: true Default probable cause: inputDeviceError (704)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that the incoming slave link RAI bit is set.		
Impact: Possibly repetitions at higher levels. The capacity of the module can be reduced.		
Remedial action: Check the CPRI cable and connections, replace the SFP (RFM or CB end).		

Table 22-482 IK4006294 - RFM SELF TEST CRITICAL FAIL

Alarm	Attributes	Applicable major NE releases
Name: IK4006294 (3771) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: critical Specific problem: RFM SELF TEST CRITICAL FAIL (276) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3
Description: This alarm indicates that the power-on self test detected a critical failure on the RFM. The alarm is cleared when the RFM is reset.		
Impact: The module is not usable. The LTE cells associated with this module are not operational.		
Remedial action: Reset the RFM. If the alarm persists, replace RFM.		

Table 22-483 IK4006295 - RFM ACCESS PANEL OPEN

Alarm	Attributes	Applicable major NE releases
Name: IK4006295 (3772) Type: securityServiceOrMechanismViolation (92) Package: lte Raised on class: lte.RFM	Severity: minor Specific problem: RFM ACCESS PANEL OPEN (455) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates the access panel for the RFM maintenance port is open.		
Impact: No immediate impact, however this alarm could indicate unauthorized access to the RFM.		
Remedial action: Close the maintenance port access door.		

Table 22-484 IK4006296 - RFM CELL DATA CONFLICT

Alarm	Attributes	Applicable major NE releases
Name: IK4006296 (3773) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: RFM CELL DATA CONFLICT (456) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: The RFM is shared by two technologies and one technology controller has attempted to configure a cell on the RFM which conflicts in frequency or transmit power setting with an existing configured cell.		
Impact: The new cell which triggered the conflict is not activated. Any existing cells remain active.		
Remedial action: Change the cell settings (eARFCN assignment, downlink power setting) for the RFM so that they are compatible (cell frequencies do not overlap, cell frequency settings do not exceed the RFM bandwidth, etc.). Since this is a shared RFM, the cell settings may reside in different databases.		

Table 22-485 IK4006297 - RF SETUP FAULT

Alarm	Attributes	Applicable major NE releases
Name: IK4006297 (3774) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: critical Specific problem: RF SETUP FAULT (457) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that the RFM is currently transmitting and has received a new carrier configuration request that requires a disruption to transmission.		
Impact: Carriers must be disabled to allow the RF retuning.		
Remedial action: Lock the carriers (both technologies if this is a shared RFM) to disable transmission, the RFM will retune and clear the alarm. Carriers may then be unlocked.		

Table 22-486 IK4006298 - RFM DATA SYNCHRONIZATION FAULT

Alarm	Attributes	Applicable major NE releases
Name: IK4006298 (3775) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: RFM DATA SYNCHRONIZATION FAULT (458) Implicitly cleared: true Default probable cause: timingProblem (903)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates the RFM is shared by two technologies and one technology is transmitting CPRI data at a different rate than the other.		
Impact: There may be interruptions to the transmission of the non-LTE carriers when this alarm is present.		
Remedial action: Check the timing reference sources for both baseband units for failures.		

Table 22-487 IK4006300 - RFM TXPORT1 OVERCURRENT

Alarm	Attributes	Applicable major NE releases
Name: IK4006300 (3776) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: RFM TXPORT1 OVERCURRENT (277) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3
Description: This alarm indicates that the DC-Bias Current for AISG Devices was exceeded on Tx Port 1		
Impact: Check the additional info for impact details.		
Remedial action: Check For AISG device in critical alarm or failure mode.		

Table 22-488 IK4006301 - RFM TXPORT2 OVERCURRENT

Alarm	Attributes	Applicable major NE releases
Name: IK4006301 (3777) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: RFM TXPORT2 OVERCURRENT (459) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that the DC-Bias Current for AISG Devices was exceeded on Tx Port 2		
Impact: Check the additional info for impact details.		
Remedial action: Check For AISG device in critical alarm or failure mode.		

Table 22-489 IK4006302 - RFM AISG PORT OVERCURRENT

Alarm	Attributes	Applicable major NE releases
Name: IK4006302 (3778) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: RFM AISG PORT OVERCURRENT (460) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that the DC-Bias Current for AISG Devices was exceeded on RS-485 Port		
Impact: Check the additional info for impact details.		
Remedial action: Check For AISG device in critical alarm or failure mode.		

Table 22-490 IK4006303 - RFM DC-BIAS OVERCURRENT

Alarm	Attributes	Applicable major NE releases
Name: IK4006303 (3779) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: RFM DC-BIAS OVERCURRENT (461) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that the DC-Bias Current Source in the RFM exceeded the maximum threshold.		
Impact: Check the additional info for impact details.		
Remedial action: Check that the number of ALDs device supported by the RFM are within the maximum number and/or none of them is in failure mode.		

Table 22-491 IK4006304 - RRH DC POWER OFF

Alarm	Attributes	Applicable major NE releases
Name: IK4006304 (4653) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: critical Specific problem: RRH DC POWER OFF (462) Implicitly cleared: true Default probable cause: powerProblem (911)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates the RFM DC power supply is off.		
Impact: The RFM is not usable. The LTE cells associated with this RFM are not operational.		
Remedial action: Check the DC power supply for failure, both internal and external to the RFM.		

Table 22-492 IK4006307 - RFM FAN1 FAILED

Alarm	Attributes	Applicable major NE releases
Name: IK4006307 (4654) Type: environmentalAlarm (2) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: RFM FAN1 FAILED (463) Implicitly cleared: true Default probable cause: heatingOrVentilationOrCoolingSystemProblem (701)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: Fan 1 in the RFM has failed.		
Impact: The RFM temperature will rise, leading to transmit signal power or quality degradation and eventual shutdown, disabling all cells supported on this RFM.		
Remedial action: Replace the failed hardware.		

Table 22-493 IK4006308 - RFM FAN2 FAILED

Alarm	Attributes	Applicable major NE releases
Name: IK4006308 (4655) Type: environmentalAlarm (2) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: RFM FAN2 FAILED (464) Implicitly cleared: true Default probable cause: heatingOrVentilationOrCoolingSystemProblem (701)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: Fan 2 in the RFM has failed.		
Impact: The RFM temperature will rise, leading to transmit signal power or quality degradation and eventual shutdown, disabling all cells supported on this RFM.		
Remedial action: Replace the failed hardware.		

Table 22-494 IK4006309 - RFM BOTH FANS FAILED

Alarm	Attributes	Applicable major NE releases
Name: IK4006309 (4656) Type: environmentalAlarm (2) Package: lte Raised on class: lte.RFM	Severity: critical Specific problem: RFM BOTH FANS FAILED (465) Implicitly cleared: true Default probable cause: heatingOrVentilationOrCoolingSystemProblem (701)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: Both fans in the RFM have failed.		
Impact: The RFM temperature will rise, leading to transmit signal power or quality degradation and eventual shutdown, disabling all cells supported on this RFM.		
Remedial action: Replace the failed hardware.		

Table 22-495 IK4007001 - BRC CC WARNING

Alarm	Attributes	Applicable major NE releases
Name: IK4007001 (2533) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BBCardSpecifics	Severity: variable Specific problem: BRC CC WARNING (466) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates that the BRC-CC reported a warning.		
Impact: No impact on eNodeB.		
Remedial action: No action is required.		

Table 22-496 IK4007002 - BRC UC FAILED

Alarm	Attributes	Applicable major NE releases
Name: IK4007002 (2534) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BBCardSpecifics	Severity: variable Specific problem: BRC UC FAILED (467) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates that the UeCallIP detected a no-response from BRC-UC.		
Impact: The eNodeB performance is low.		
Remedial action: No action is required.		

Table 22-497 IK4007003 - PCI POTENTIAL CONFUSION VICTIM

Alarm	Attributes	Applicable major NE releases
Name: IK4007003 (5214) Type: operationalViolation (93) Package: lte Raised on class: lte.ENBEquipment	Severity: minor Specific problem: PCI POTENTIAL CONFUSION VICTIM (468) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR14.1.L
Description: This alarm indicates this eNB is potentially a victim of PCI confusion, it has multiple potential neighbor cells that have the same PCI as each other.		
Remedial action: The maintenance action has to be done in one of the neighbor eNBs. Note that here only a potential confusion is raised, meaning that there may be no impact. In case HO KPIs show an issue, this may be the cause. Then a manual intervention, is needed in one of the distant eNBs to solve the problem, by changing the PCI. If the Neighbours are confirmed to be real, then the confusion is detected as real and AutoPCI will try to solve the conflict on the actor side. In case it is not enabled or it cannot solve the conflict, major alarms are raised on both actor and victim sides.		

Table 22-498 IK4007004 - BRC UC WARNING

Alarm	Attributes	Applicable major NE releases
Name: IK4007004 (2535) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BBCardSpecifics	Severity: variable Specific problem: BRC UC WARNING (469) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates that the BRC-UC reported a warning.		
Impact: No impact on eNodeB.		
Remedial action: No action is required.		

Table 22-499 IK4007005 - CALLP MANAGER WARNING

Alarm	Attributes	Applicable major NE releases
Name: IK4007005 (2536) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: CALLP MANAGER WARNING (470) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates that CallP Manager reports a warning.		
Impact: No impact on eNodeB.		
Remedial action: No action is required.		

Table 22-500 IK4007006 - CELL CALLP WARNING

Alarm	Attributes	Applicable major NE releases
Name: IK4007006 (2537) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: CELL CALLP WARNING (471) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates that Cell CallP reports a warning.		
Impact: No impact on eNodeB.		
Remedial action: No action is required.		

Table 22-501 IK4007007 - RFTRACE ACTIVATION FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4007007 (5215) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: RFTRACE ACTIVATION FAILURE (472) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR14.1.L
Description: This event indicates the failure to activate a new RF trace recording session.		
Remedial action: No action is required.		

Table 22-502 IK4007008 - RFTRACE COLLECTION FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4007008 (2538) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: RFTRACE COLLECTION FAILURE (473) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> LR14.1.L
Description: This event indicates the failure to collect RF trace data.		
Remedial action: No action is required.		

Table 22-503 IK4007009 - MCE SESSION PREEMPTION INDICATION

Alarm	Attributes	Applicable major NE releases
Name: IK4007009 (5216) Type: qualityOfServiceAlarm (82) Package: lte Raised on class: lte.Mce	Severity: variable Specific problem: MCE SESSION PREEMPTION INDICATION (474) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> LR14.1.L
Description: This event indicates that one or several sessions have been pre-empted (suspended for the considered MbsfnArea) in order to admit a higher priority session.		
Remedial action: No action is required.		

Table 22-504 IK4007010 - MCE SESSION RESUME INDICATION

Alarm	Attributes	Applicable major NE releases
Name: IK4007010 (2539) Type: qualityOfServiceAlarm (82) Package: lte Raised on class: lte.Mce	Severity: variable Specific problem: MCE SESSION RESUME INDICATION (475) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> LR14.1.L
Description: This event indicates that one or several sessions previously pre-empted have been resumed (resumed for the considered MbsfnArea).		
Remedial action: No action is required.		

Table 22-505 IK4007011 - PCI CONFUSION VICTIM

Alarm	Attributes	Applicable major NE releases
Name: IK4007011 (2540) Type: operationalViolation (93) Package: lte Raised on class: lte.Cell	Severity: major Specific problem: PCI CONFUSION VICTIM (476) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates this eNB is victim of PCI confusion, it has multiple potential real neighbor cells that have the same PCI as each other. A manual intervention is needed to solve the problem.		
Remedial action: The maintenance action has to be done in one of the neighbor eNBs. If AutoPCI is not activated in these eNBs, then the manual intervention consists in changing the PCI. If AutoPCI is activated in these eNBs, then the manual intervention consists in changing some constraints (e.g. increase the pciAllowedList)		

Table 22-506 IK4007012 - VERY HIGH RACH ARRIVAL RATE

Alarm	Attributes	Applicable major NE releases
Name: IK4007012 (2541) Type: qualityOfServiceAlarm (82) Package: lte Raised on class: lte.Cell	Severity: variable Specific problem: VERY HIGH RACH ARRIVAL RATE (477) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> LR14.1.L
Description: This event indicates that the eNB has triggered Access Class Barring in a cell due to RACH overload.		
Remedial action: No action is required.		

Table 22-507 IK4007013 - RFTRACE INVALID PARAMETER

Alarm	Attributes	Applicable major NE releases
Name: IK4007013 (2542) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: RFTRACE INVALID PARAMETER (478) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> LR14.1.L
Description: This event indicates the parameter received for RF trace is invalid.		
Remedial action: No action is required.		

Table 22-508 IK4007014 - M3AP FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4007014 (5217) Type: qualityOfServiceAlarm (82) Package: lte Raised on class: lte.Mce	Severity: variable Specific problem: M3AP FAILURE (479) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> LR14.1.L
Description: For the session identified by tmgi, the MCE has detected inconsistent or unsupported value of M3AP session parameters.		
Remedial action: No action is required.		

Table 22-509 IK4007015 - CAC FAILURE BEGIN

Alarm	Attributes	Applicable major NE releases
Name: IK4007015 (5218) Type: qualityOfServiceAlarm (82) Package: lte Raised on class: lte.Cell	Severity: variable Specific problem: CAC FAILURE BEGIN (480) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> LR14.1.L
Description: This event indicates that CallIP reported a CAC failure.		
Remedial action: No action is required.		

Table 22-510 IK4007016 - CAC FAILURE END

Alarm	Attributes	Applicable major NE releases
Name: IK4007016 (5219) Type: qualityOfServiceAlarm (82) Package: lte Raised on class: lte.Cell	Severity: variable Specific problem: CAC FAILURE END (481) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> LR14.1.L
Description: This event indicates that CallIP reported the expiration of the monitoring time interval timer.		
Remedial action: No action is required.		

Table 22-511 IK4007017 - CONFIRMED COMMUNICATION ISSUE MET WITH UE SETUPS ON THIS CELL

Alarm	Attributes	Applicable major NE releases
Name: IK4007017 (5220) Type: communicationsAlarm (4) Package: lte Raised on class: lte.Cell	Severity: critical Specific problem: CONFIRMED COMMUNICATION ISSUE MET WITH UE SETUPS ON THIS CELL (482) Implicitly cleared: true Default probable cause: applicationSubsystemFailure (689)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates that an internal communication issue has been met for multiple UEs on this cell during the UE Setup procedure.		
Remedial action: Lock and then unlock the lteCell. If this fails to clear the fault then lock and unlock the modem (BB) board.		

Table 22-512 IK4007018 - PCI CONFUSION NEIGHB CELLS

Alarm	Attributes	Applicable major NE releases
Name: IK4007018 (5221) Type: operationalViolation (93) Package: lte Raised on class: lte.ENBEquipment	Severity: major Specific problem: PCI CONFUSION NEIGHB CELLS (483) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates this eNB is a victim of PCI confusion, it has multiple neighbor cells that have the same PCI as each other. A manual intervention is needed to solve the problem. This issue may affect mobility procedures in any of the eNodeB cells.		
Remedial action: The maintenance action has to be done in one of the neighbour eNBs. The issue is also reported by Alarms in these eNBs. If the automatic PCI allocation is activated in these eNBs: (1) If a Warning Alarm is raised, the issue will be automatically solved in the next maintenance window; (2) If a Major Alarm is raised, the issue cannot be automatically solved. It is necessary to increase the list of allowed PCI values, and the issue will be automatically solved in the next maintenance window. If the automatic PCI allocation is not activated in these eNBs: A Major Alarm is raised. It is necessary to change the PCI value of one of the actor cell of the issue.		

Table 22-513 IK4007019 - UBM FAILED

Alarm	Attributes	Applicable major NE releases
Name: IK4007019 (2543) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: UBM FAILED (484) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> LR13.1 LR13.3 LR14.1.L LT6.0
Description: This event indicates a non-response of UBM entity detected by UeCallIP.		
Impact: The eNodeB performance is low.		
Remedial action: No action is required.		

Table 22-514 IK4007020 - PCI CONFUSION

Alarm	Attributes	Applicable major NE releases
Name: IK4007020 (5222) Type: operationalViolation (93) Package: lte Raised on class: lte.Cell	Severity: major Specific problem: PCI CONFUSION (485) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR14.1.L
Description: This alarm indicates a PCI confusion between the cell and a neighbour cell of a neighbour cell. A manual intervention is needed to solve the problem. This can happen in the following cases: (1)The conflict could not be solved autonomously by the eNB; (2)The automatic PCI allocation is not activated.		
Remedial action: If the automatic PCI allocation is activated: Increase the list of allowed PCI values, either for the local or for the distant eNodeB; If the automatic PCI allocation is not activated:Change the PCI value, either for the local or the distant cell.		

Table 22-515 IK4007021 - UE CALLP WARNING

Alarm	Attributes	Applicable major NE releases
Name: IK4007021 (2544) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: UE CALLP WARNING (486) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates a warning reported by UeCallIP.		
Impact: No impact on eNodeB.		
Remedial action: No action is required.		

Table 22-516 IK4007022 - MME S1 SETUP FAILURE RESPONSE

Alarm	Attributes	Applicable major NE releases
Name: IK4007022 (2545) Type: communicationsAlarm (4) Package: lte Raised on class: lte.MmeAccess	Severity: critical Specific problem: MME S1 SETUP FAILURE RESPONSE (487) Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a persistent S1_SETUP_FAILURE_RESPONSE from MME detected by CallIPMgr.		
Impact: If S1 flex is available, the eNodeB performance is low. If the S1 flex is not available, the eNodeB service is not possible.		
Remedial action: Check the behavior of the MME.		

Table 22-517 IK4007023 - MME S1 SETUP NO RESPONSE

Alarm	Attributes	Applicable major NE releases
Name: IK4007023 (2546) Type: communicationsAlarm (4) Package: lte Raised on class: lte.MmeAccess	Severity: critical Specific problem: MME S1 SETUP NO RESPONSE (488) Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a persistent NO_RESPONSE from MME detected by CallIPMgr.		
Impact: If S1 flex is available, the eNodeB performance is low. If the S1 flex is not available, the eNodeB service is not possible.		
Remedial action: Check the behavior of the MME.		

Table 22-518 IK4007024 - TIME FOR SESSION START STOP or UPDATE

Alarm	Attributes	Applicable major NE releases
Name: IK4007024 (5223) Type: integrityViolation (85) Package: lte Raised on class: lte.Mce	Severity: variable Specific problem: TIME FOR SESSION START STOP or UPDATE (489) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR14.1.L
Description: This event indicates that there is no absolute time has been provided in any received M3 MBMS Session Start Request, M3 MBMS Session Stop Request or M3 MBMS Session Update Request message.		
Remedial action: No action is required.		

Table 22-519 IK4007025 - IMMEDIATE LOAD CONTROL BEGIN

Alarm	Attributes	Applicable major NE releases
Name: IK4007025 (5224) Type: qualityOfServiceAlarm (82) Package: lte Raised on class: lte.Cell	Severity: variable Specific problem: IMMEDIATE LOAD CONTROL BEGIN (490) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR14.1.L
Description: This event indicate that immediate load control procedure begins.		
Remedial action: No action is required.		

Table 22-520 IK4007026 - ENB CANDIDATE X2 SETUP FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4007026 (2547) Type: communicationsAlarm (4) Package: lte Raised on class: lte.X2Access	Severity: critical Specific problem: ENB CANDIDATE X2 SETUP FAILURE (491) Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a persistent X2_SETUP_FAILURE from eNodeB_CAND IDATE detected by CallMgr.		
Impact: If multiple X2 are available, the eNodeB performance is low. If an X2 is present, the eNodeB service is not available.		
Remedial action: Check the behavior of the candidate eNodeB. If the alarm persists, check provisioning of the initiating and candidate eNodeBs.		

Table 22-521 IK4007027 - ENB CANDIDATE X2 SETUP NO RESPONSE

Alarm	Attributes	Applicable major NE releases
Name: IK4007027 (2548) Type: communicationsAlarm (4) Package: lte Raised on class: lte.X2Access	Severity: critical Specific problem: ENB CANDIDATE X2 SETUP NO RESPONSE (492) Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a persistent NO_RESPONSE from eNodeB_CAND IDATE detected by CallMgr.		
Impact: If multiple X2 are available, the eNodeB performance is low. If an X2 is present, the eNodeB service is not available.		
Remedial action: Check the behavior of the candidate eNodeB. If the alarm persists, check provisioning of the initiating and candidate eNodeBs.		

Table 22-522 IK4007028 - IMMEDIATE LOAD CONTROL END

Alarm	Attributes	Applicable major NE releases
Name: IK4007028 (5225) Type: qualityOfServiceAlarm (82) Package: lte Raised on class: lte.Cell	Severity: variable Specific problem: IMMEDIATE LOAD CONTROL END (493) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR14.1.L
Description: This event indicate that immediate load control procedure ends.		
Remedial action: No action is required.		

Table 22-523 IK4007029 - TELECOM SW FAILURE AT ENB

Alarm	Attributes	Applicable major NE releases
Name: IK4007029 (5226) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: critical Specific problem: TELECOM SW FAILURE AT ENB (494) Implicitly cleared: true Default probable cause: communicationsSubsystemFailure (915)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm will trigger all MAS reset, and cell disable on all cells before restarting all MAS and all cells.		
Remedial action: No action required. Cells will be deleted and rebuilt automatically		

Table 22-524 IK4007045 - ENB X2 SETUP REQ RESP FAIL UNKNOWN X2 ACCESS ID

Alarm	Attributes	Applicable major NE releases
Name: IK4007045 (2549) Type: communicationsAlarm (4) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: ENB X2 SETUP REQ RESP FAIL UNKNOWN X2 ACCESS ID (495) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> LR13.1 LR13.3 LR14.1.L LT6.0
Description: The eNodeB is implementing a check for future IOT. Common message like X2SAP X2 SETUP REQUEST/RESPONSE/FAILURE are received on a known X2 Access Id. If an unsolicited X2SAP X2 SETUP REQUEST message is received on an unknown X2 Access Id, the eNodeB answers with a X2SAP SETUP FAILURE and raises the event. If an unsolicited X2SAP X2 SETUP RESPONSE/FAILURE message is received on an unknown X2 ACCESS Id the eNodeB ignores the message and raises the event.		
Impact: If multiple X2 are available, the eNodeB performance is low. If an X2 is present, the eNodeB service is not available.		
Remedial action: No action is required.		

Table 22-525 IK4007046 - ANR X2IP ADDR RETRIEVAL FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4007046 (2550) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.X2Access	Severity: major Specific problem: ANR X2IP ADDR RETRIEVAL FAILURE (496) Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> LR13.1 LR13.3 LR14.1.L LT6.0
Description: This alarm indicates the X2 IP address retrieval failure. When this alarm is raised, X2TransportLayerAccess is {Disabled, Failed} (and X2Access {Disabled, dependency}).		
Impact: The X2 link is not established until a valid IP address is assigned.		
Remedial action: Set the IP address manually.		

Table 22-526 IK4007051 - END OF ANR ACTIVE PHASE

Alarm	Attributes	Applicable major NE releases
Name: IK4007051 (2551) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.Cell	Severity: variable Specific problem: END OF ANR ACTIVE PHASE (497) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> LT6.0
Description: This event indicates the end of the intra-frequency LTE ANR active phase.		
Impact: No impact on eNodeB.		
Remedial action: No action is required.		

Table 22-527 IK4007052 - CALLTRACE ACTIVATION FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4007052 (2552) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.ENBEquipment	Severity: variable Specific problem: CALLTRACE ACTIVATION FAILURE (498) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> LR13.1 LR13.3 LR14.1.L LT6.0
Description: This event indicates the failure to activate a new trace recording session.		
Impact: No impact on eNodeB.		
Remedial action: No action is required.		

Table 22-528 IK4007053 - CALLTRACE SIGN TRACE STOPPED BY MGT TRACE

Alarm	Attributes	Applicable major NE releases
Name: IK4007053 (2553) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.ENBEquipment	Severity: variable Specific problem: CALLTRACE SIGN TRACE STOPPED BY MGT TRACE (499) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> LR13.1 LR13.3 LR14.1.L LT6.0
Description: This event indicates that the signaling based trace session is stopped when eNodeB received a management based trace session activation request.		
Impact: No impact on eNodeB.		
Remedial action: No action is required.		

Table 22-529 IK4007054 - CALLTRACE COLLECTION FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4007054 (2554) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: CALLTRACE COLLECTION FAILURE (500) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates the failure to collect trace data.		
Impact: No impact on eNodeB.		
Remedial action: No action is required.		

Table 22-530 IK4007055 - CALLTRACE INVALID PARAMETER

Alarm	Attributes	Applicable major NE releases
Name: IK4007055 (2555) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: CALLTRACE INVALID PARAMETER (501) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This even indicates the parameter received for call trace is invalid.		
Impact: Call Trace session is de-activated.		
Remedial action: No action is required.		

Table 22-531 IK4007056 - DSIM CELL AUTO BARRED

Alarm	Attributes	Applicable major NE releases
Name: IK4007056 (2556) Type: communicationsAlarm (4) Package: lte Raised on class: lte.Cell	Severity: major Specific problem: DSIM CELL AUTO BARRED (502) Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that the cell is auto-barred. If Dynamic Sysinfo Modification feature activated and MIM parameter lteCell.cellBarred set to 'notBarredAutoBarrable', the cell is auto-barred due to S1 service loss. This alarm is cleared when the cell is auto-unbarred due to S1 service recovery. When this alarm is raised, the related lteCell instance is {Enabled, Off-duty}.		
Impact: The cell cannot provide service as the cell is barred from use.		
Remedial action: Resolve the S1 faults and restore S1 service.		

Table 22-532 IK4007057 - MME S1AP COMMON MESSAGE BAD ROUTING

Alarm	Attributes	Applicable major NE releases
Name: IK4007057 (2557) Type: qualityOfServiceAlarm (82) Package: lte Raised on class: lte.MmeAccess	Severity: variable Specific problem: MME S1AP COMMON MESSAGE BAD ROUTING (503) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates that the UeCallIP was routed a non-UE associated message.		
Impact: The UeCallIP discards the non-UE associated message.		
Remedial action: No action is required.		

Table 22-533 IK4007058 - MME S1AP DEDICATED MESSAGE BAD ROUTING

Alarm	Attributes	Applicable major NE releases
Name: IK4007058 (2558) Type: qualityOfServiceAlarm (82) Package: lte Raised on class: lte.MmeAccess	Severity: variable Specific problem: MME S1AP DEDICATED MESSAGE BAD ROUTING (504) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates that CallPmgr was routed an UE associated message, that was therefore discarded.		
Impact: The CallIPMgr discards the UE associated message.		
Remedial action: No action is required.		

Table 22-534 IK4007059 - ENB X2AP MESSAGE MISMATCH

Alarm	Attributes	Applicable major NE releases
Name: IK4007059 (2559) Type: communicationsAlarm (4) Package: lte Raised on class: lte.X2Access	Severity: variable Specific problem: ENB X2AP MESSAGE MISMATCH (505) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates the fault when X2AP message including 'served cell info' is received. CallP cross-checks in the MiM neighboring cells relating to a remote eNodeB with list of served cells received from the current eNodeB. This fault can be triggered upon reception of X2AP X2 SETUP REQUEST, X2AP X2 SETUP RESPONSE or X2AP ENB CONFIGURATION UPDATE. This event is not used when ANR is activated because the cross-check is not performed.		
Impact: The eNodeB performance is low. The ENB configurations are not coherent. The callIP uses MiM data for mobility that leads to handover failures.		
Remedial action: No action is required.		

Table 22-535 IK4007071 - L1L2 SYS INFO REFUSED

Alarm	Attributes	Applicable major NE releases
Name: IK4007071 (2571) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Cell	Severity: critical Specific problem: L1L2 SYS INFO REFUSED (506) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that the BB L1/L2 entity rejected system information broadcast.		
Impact: The LTE service is not possible on the affected cell.		
Remedial action: 1 - lock the cell. 2- correct the wrong configuration value. 3- unlock the cell.		

Table 22-536 IK4007072 - L1L2 SYS INFO TIMEOUT

Alarm	Attributes	Applicable major NE releases
Name: IK4007072 (2572) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Cell	Severity: critical Specific problem: L1L2 SYS INFO TIMEOUT (507) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a no-response from BB L1/L2 entity detected during the system information broadcast procedure.		
Impact: The LTE service is not possible on the affected cell.		
Remedial action: Lock and unlock the Cell. If the alarm persists, call the next level of support.		

Table 22-537 IK4007073 - L1L2 CONFIG ERROR CELL SETUP

Alarm	Attributes	Applicable major NE releases
Name: IK4007073 (2573) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Cell	Severity: critical Specific problem: L1L2 CONFIG ERROR CELL SETUP (508) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a configuration error from BB L1/L2 entity detected during the Cell Setup procedure.		
Impact: The LTE service is not possible on the affected cell.		
Remedial action: Verify and correct the configuration data in the LTE CELL or CELL CONF.		

Table 22-538 IK4007074 - L1L2 CELL SETUP REFUSED

Alarm	Attributes	Applicable major NE releases
Name: IK4007074 (2574) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Cell	Severity: critical Specific problem: L1L2 CELL SETUP REFUSED (509) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that the BB L1/L2 entity rejected the cell setup.		
Impact: The LTE service is not possible on the affected cell.		
Remedial action: Call the next level of support.		

Table 22-539 IK4007075 - L1L2 CELL SETUP TIMEOUT

Alarm	Attributes	Applicable major NE releases
Name: IK4007075 (2575) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Cell	Severity: critical Specific problem: L1L2 CELL SETUP TIMEOUT (510) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a no-response from BB L1/L2 entity detected during the Cell Setup procedure .		
Impact: The LTE service is not possible on the affected cell.		
Remedial action: Lock and unlock the cell. If the alarm persists, call the next level of support.		

Table 22-540 IK4007076 - L1L2 CONFIG ERROR GLOBAL SETUP

Alarm	Attributes	Applicable major NE releases
Name: IK4007076 (2576) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: critical Specific problem: L1L2 CONFIG ERROR GLOBAL SETUP (511) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LT6.0
Description: This alarm indicates a configuration error from BB L1/L2 entity detected during the Global Setup procedure. Note: This alarm is no longer in use for FDD LA5.0. TDD is still using.		
Impact: The LTE service is not possible.		
Remedial action: Verify and correct the configuration data in the eNB MO.		

Table 22-541 IK4007077 - L1L2 GLOBAL SETUP REFUSED

Alarm	Attributes	Applicable major NE releases
Name: IK4007077 (2577) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Cell	Severity: critical Specific problem: L1L2 GLOBAL SETUP REFUSED (512) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> LT6.0
Description: This alarm indicates that the BB L1/L2 entity rejected the global setup. Note: This alarm is no longer in use for FDD LA5.0. TDD is still using.		
Impact: The BB service is not possible.		
Remedial action: Call the next level of support.		

Table 22-542 IK4007078 - L1L2 GLOBAL SETUP TIMEOUT

Alarm	Attributes	Applicable major NE releases
Name: IK4007078 (2578) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Cell	Severity: critical Specific problem: L1L2 GLOBAL SETUP TIMEOUT (513) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> LT6.0
Description: This alarm indicates a no-response from BB L1/L2 entity detected during the Global Setup procedure. Note: This alarm is no longer in use for FDD LA5.0. TDD is still using.		
Impact: The BB service is not possible.		
Remedial action: Lock and unlock the BB. If the alarm persists, call the next level of support.		

Table 22-543 IK4007079 - L1L2 CONFIG ERROR SYS INFO

Alarm	Attributes	Applicable major NE releases
Name: IK4007079 (2579) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Cell	Severity: critical Specific problem: L1L2 CONFIG ERROR SYS INFO (514) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> LR13.1 LR13.3 LR14.1.L LT6.0
Description: This alarm indicates configuration error from BB L1/L2 entity detected during system information broadcast.		
Impact: The LTE service is not possible on the affected cell.		
Remedial action: Verify and correct the configuration data in the LTE CELL or CELL CONF.		

Table 22-544 IK4007080 - CAC FAILURE BEGIN

Alarm	Attributes	Applicable major NE releases
Name: IK4007080 (2580) Type: qualityOfServiceAlarm (82) Package: lte Raised on class: lte.Cell	Severity: variable Specific problem: CAC FAILURE BEGIN (480) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LT6.0
Description: This event indicates that CallP reported a CAC failure.		
Impact: Some calls are rejected.		
Remedial action: No action is required.		

Table 22-545 IK4007081 - CAC FAILURE END

Alarm	Attributes	Applicable major NE releases
Name: IK4007081 (2581) Type: qualityOfServiceAlarm (82) Package: lte Raised on class: lte.Cell	Severity: variable Specific problem: CAC FAILURE END (481) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LT6.0
Description: This event indicates that CallP reported the expiration of the monitoring time interval timer.		
Impact: No impact on eNodeB.		
Remedial action: No action is required.		

Table 22-546 IK4007082 - L1L2 CONFIG MEAS FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4007082 (2582) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Cell	Severity: warning Specific problem: L1L2 CONFIG MEAS FAILURE (515) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that Measurement Configuration failed at L1/L2 entity level.		
Impact: No impact on eNodeB. Radio Access Control evolution feature not activated.		
Remedial action: Call the next level of support.		

Table 22-547 IK4007083 - PCI COLLISION DETECTED UNDER RESOLUTION

Alarm	Attributes	Applicable major NE releases
Name: IK4007083 (2583) Type: operationalViolation (93) Package: lte Raised on class: lte.Cell	Severity: warning Specific problem: PCI COLLISION DETECTED UNDER RESOLUTION (516) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a PCI collision between the cell and a neighbour one. The eNodeB attempts for a resolution.		
Impact: Interference in reference signal of conflicting cells, preventing potentially Ues to select these cells.		
Remedial action: If the alarm persists, call the next level of support.		

Table 22-548 IK4007084 - PCI COLLISION DETECTED

Alarm	Attributes	Applicable major NE releases
Name: IK4007084 (2584) Type: operationalViolation (93) Package: lte Raised on class: lte.Cell	Severity: critical Specific problem: PCI COLLISION DETECTED (517) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a PCI collision between the cell and a neighbour one, or between the cell and another one of the same eNB. A manual intervention is needed to solve the problem. This can happen in the following cases: - The conflict could not be solved autonomously by the eNB; - The automatic PCI allocation is not activated		
Impact: Interference in reference signal of conflicting cells, preventing potentially Ues to select these cells.		
Remedial action: Increase the list of allowed PCI values, either for the local or for the distant eNodeB when the other contributor is distant.		

Table 22-549 IK4007085 - PCI CONFUSION DETECTED UNDER RESOLUTION

Alarm	Attributes	Applicable major NE releases
Name: IK4007085 (2585) Type: operationalViolation (93) Package: lte Raised on class: lte.Cell	Severity: warning Specific problem: PCI CONFUSION DETECTED UNDER RESOLUTION (518) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a PCI confusion between the cell and a neighbour one. The eNodeB attempts for a resolution.		
Impact: Mobility procedure triggered in the cell is directed to a wrong neighboring cell, leading to further call drops.		
Remedial action: If the alarm persists, call the next level of support.		

Table 22-550 IK4007086 - PCI CONFUSION

Alarm	Attributes	Applicable major NE releases
Name: IK4007086 (2586) Type: operationalViolation (93) Package: lte Raised on class: lte.Cell	Severity: critical Specific problem: PCI CONFUSION (485) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> LT6.0
Description: This alarm indicates a PCI confusion between the cell and a neighbour one. A manual intervention is needed to solve the problem. This can happen in the following cases: - The conflict could not be solved autonomously by the eNB; - The automatic PCI allocation is not activated		
Impact: Mobility procedure triggered in the cell is directed to a wrong neighboring cell, leading to further call drops.		
Remedial action: Increase the list of allowed PCI values, either for the local or for the distant eNodeB.		

Table 22-551 IK4007087 - PCI CONFUSION NEIGHB CELLS

Alarm	Attributes	Applicable major NE releases
Name: IK4007087 (2587) Type: operationalViolation (93) Package: lte Raised on class: lte.ENBEquipment	Severity: critical Specific problem: PCI CONFUSION NEIGHB CELLS (483) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> LT6.0
Description: This alarm indicates a PCI confusion between several neighbour cells. A manual intervention is needed to solve the problem. This issue may affect mobility procedures in any of the eNodeB cells.		
Impact: Mobility procedure triggered in the cell is directed to a wrong neighboring cell, leading to further call drops.		
Remedial action: Modify the list of allowed PCI values for the serving eNodeB conflicting with the neighboring cells.		

Table 22-552 IK4007088 - ENB X2 COMMON MESSAGE BAD ROUTING

Alarm	Attributes	Applicable major NE releases
Name: IK4007088 (2588) Type: qualityOfServiceAlarm (82) Package: lte Raised on class: lte.X2Access	Severity: variable Specific problem: ENB X2 COMMON MESSAGE BAD ROUTING (519) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> LR13.1 LR13.3 LR14.1.L LT6.0
Description: This event indicates a X2-AP non-UE associated message is routed to UeCallIP.		
Impact: The X2-AP non-UE associated message is not processed and is discarded by UeCallIP.		
Remedial action: No action is required.		

Table 22-553 IK4007089 - ENB X2 DEDICATED MESSAGE BAD ROUTING

Alarm	Attributes	Applicable major NE releases
Name: IK4007089 (2589) Type: qualityOfServiceAlarm (82) Package: lte Raised on class: lte.X2Access	Severity: variable Specific problem: ENB X2 DEDICATED MESSAGE BAD ROUTING (520) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates a X2-AP UE associated message is routed to CalIPMgr.		
Impact: The X2-AP UE associated message is not processed and is discarded by CalIPMgr.		
Remedial action: No action is required.		

Table 22-554 IK4007091 - PCI DETECTION OF INTERFERENCE

Alarm	Attributes	Applicable major NE releases
Name: IK4007091 (2590) Type: operationalViolation (93) Package: lte Raised on class: lte.Cell	Severity: critical Specific problem: PCI DETECTION OF INTERFERENCE (521) Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates the PCI interference.		
Impact: Interference in reference signal of conflicting cells. Impacts UE performance in the cells.		
Remedial action: Increase the list of allowed PCI values for the serving eNodeB. The eNodeB must be able to allocate PCIs that are different modulo 3 for its cells (or for a cell and 2 co-sector cells), so the 3 values of PCI mod 3 must be present in the list of allowed PCI values. In case all the cells of a site raise an Interference alarm, check the configuration as it may inform about a site configuration error (too many cells in a site, wrong omni or cell azimuth in a site).		

Table 22-555 IK4007092 - PCI ASSIGNMENT

Alarm	Attributes	Applicable major NE releases
Name: IK4007092 (2591) Type: communicationsAlarm (4) Package: lte Raised on class: lte.Cell	Severity: variable Specific problem: PCI ASSIGNMENT (522) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates that the PCI of the cell is assigned or re-assigned by the eNodeB during eNodeB startup.		
Impact: The Cell is running with a new PCI. The new value will be synched up to SAM shortly.		
Remedial action: No action is required.		

Table 22-556 IK4007093 - ANR SERVED CELL INFO NOT HANDLED

Alarm	Attributes	Applicable major NE releases
Name: IK4007093 (2592) Type: communicationsAlarm (4) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: ANR SERVED CELL INFO NOT HANDLED (523) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates that the served cell and neighbor cell information received over X2 interface is not handled, because internal eNodeB tables reached the dimensioning limits.		
Impact: No impact on eNodeB.		
Remedial action: No action is required.		

Table 22-557 IK4007094 - ENB CANDIDATE X2 ENB CONFIGURATION UPDATE FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4007094 (2593) Type: communicationsAlarm (4) Package: lte Raised on class: lte.X2Access	Severity: variable Specific problem: ENB CANDIDATE X2 ENB CONFIGURATION UPDATE FAILURE (524) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates a persistent X2_ENB_CONFIGURATION_UPDATE_FAILURE message from eNB_Candidate eNodeB2 network element detected by CallpMgr.		
Impact: The service is degraded (with multiple X2s). The service is no longer available (without multiple X2s).		
Remedial action: No action is required.		

Table 22-558 IK4007095 - ENB CANDIDATE X2 ENB CONFIGURATION UPDATE NO RESPONSE

Alarm	Attributes	Applicable major NE releases
Name: IK4007095 (2594) Type: communicationsAlarm (4) Package: lte Raised on class: lte.X2Access	Severity: variable Specific problem: ENB CANDIDATE X2 ENB CONFIGURATION UPDATE NO RESPONSE (525) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates a persistent NO_RESPONSE from eNodeB_CAND IDATE eNodeB2 network element detected by CallpMgr.		
Impact: The service is degraded (with multiple X2s). The service is no longer available (without multiple X2s).		
Remedial action: No action is required.		

Table 22-559 IK4007096 - MME S1 ENB CONFIGURATION UPDATE FAILURE RESPONSE

Alarm	Attributes	Applicable major NE releases
Name: IK4007096 (2595) Type: qualityOfServiceAlarm (82) Package: Ite Raised on class: Ite.MmeAccess	Severity: variable Specific problem: MME S1 ENB CONFIGURATION UPDATE FAILURE RESPONSE (526) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates a persistent S1_ENB_CONFIGURATION_UPDATE_FAILURE_RESPONSE from MME network element detected by CallPMgr.		
Impact: The service is degraded (with S1 flex). The service is no longer available (without S1 flex).		
Remedial action: No action is required.		

Table 22-560 IK4007097 - MME S1 ENB CONFIGURATION UPDATE NO RESPONSE

Alarm	Attributes	Applicable major NE releases
Name: IK4007097 (2596) Type: qualityOfServiceAlarm (82) Package: Ite Raised on class: Ite.MmeAccess	Severity: variable Specific problem: MME S1 ENB CONFIGURATION UPDATE NO RESPONSE (527) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates a persistent NO_RESPONSE from MME network element detected by CallPMgr.		
Impact: The service is degraded (with S1 flex). The service is no longer available (without S1 flex).		
Remedial action: No action is required.		

Table 22-561 IK4007098 - INCONSISTENT IP ADDRESS

Alarm	Attributes	Applicable major NE releases
Name: IK4007098 (2597) Type: communicationsAlarm (4) Package: Ite Raised on class: Ite.X2Access	Severity: variable Specific problem: INCONSISTENT IP ADDRESS (528) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates that the IP address attached to X2TransportLayerAccess instance depending on the X2Access instance is not correct.		
Impact: No impact on eNodeB.		
Remedial action: No action is required.		

Table 22-562 IK4007099 - GERAN SYS INFO TRANSFER INITIATION REPORT FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4007099 (2598) Type: communicationsAlarm (4) Package: lte Raised on class: lte.BscAccess	Severity: minor Specific problem: GERAN SYS INFO TRANSFER INITIATION REPORT FAILURE (529) Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that CallIP does not manage to retrieve the system information (SI/PSI) of a target GERAN cell using RIM RAN-INFORMATION-REQUEST/multiple report.		
Impact: The service is degraded: the eNodeB is not able to provide SI/PSI of the target GERAN Cell identified in the Cell Change Order command sent to the UE.		
Remedial action: Check for the proper functioning of the following:1. GERAN cell provisioning;2. RIM support for MME and SGSN;3. IP routing path between eNodeB S1 interface IP endpoint and target BSC.		

Table 22-563 IK4007100 - GERAN SYS INFO TRANSFER STOP FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4007100 (2599) Type: communicationsAlarm (4) Package: lte Raised on class: lte.BscAccess	Severity: variable Specific problem: GERAN SYS INFO TRANSFER STOP FAILURE (530) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates that CallIP does not manage to stop event-driven system information (SI/PSI) of a target GERAN Cell using RIM RAN-INFORMATION-REQUEST/stop.		
Impact: No impact on service.		
Remedial action: No action is required.		

Table 22-564 IK4007101 - GERAN SYS INFO UPDATE END

Alarm	Attributes	Applicable major NE releases
Name: IK4007101 (2600) Type: communicationsAlarm (4) Package: lte Raised on class: lte.BscAccess	Severity: variable Specific problem: GERAN SYS INFO UPDATE END (531) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates that the eNodeB CallIP has received RIM RAN-INFORMATION/end message from a target BSC indicating that event-driven system information update for a target GERAN cell has been stopped.		
Impact: The service is degraded: the eNodeB is not able to provide SI/PSI of the target GERAN cell identified in Cell Change Order command sent to the UE.		
Remedial action: No action is required.		

Table 22-565 IK4007102 - RAN INFORMATION ERROR

Alarm	Attributes	Applicable major NE releases
Name: IK4007102 (2601) Type: communicationsAlarm (4) Package: lte Raised on class: lte.BscAccess	Severity: variable Specific problem: RAN INFORMATION ERROR (532) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates that there is an error in RIM container IE when eNodeB receive RIM message from peer node or RAN-INFORMATION-ERROR message is received from peer node.		
Impact: This is an IOT issue.		
Remedial action: No action is required.		

Table 22-566 IK4007103 - RAN INFORMATION APPLICATION ERROR

Alarm	Attributes	Applicable major NE releases
Name: IK4007103 (2602) Type: communicationsAlarm (4) Package: lte Raised on class: lte.BscAccess	Severity: variable Specific problem: RAN INFORMATION APPLICATION ERROR (533) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates there is an error in application container IE or there is application error container IE when eNodeB receive RIM message from peer node.		
Impact: This is an IOT issue.		
Remedial action: No action is required.		

Table 22-567 IK4007104 - CELL SETUP ARP TIMEOUT

Alarm	Attributes	Applicable major NE releases
Name: IK4007104 (2603) Type: qualityOfServiceAlarm (82) Package: lte Raised on class: lte.Cell	Severity: critical Specific problem: CELL SETUP ARP TIMEOUT (534) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a non-response to an ARP resolution request detected during the Cell Setup procedure.		
Impact: lteCell configuration is not possible.		
Remedial action: Call the next level of support.		

Table 22-568 IK4007105 - L1L2 CONFIG REFUSED CELL DELETE

Alarm	Attributes	Applicable major NE releases
Name: IK4007105 (2604) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: L1L2 CONFIG REFUSED CELL DELETE (535) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates the cell deletion for logical cell resetting procedure is rejected by the BB entity.		
Impact: The service is not possible on this BB		
Remedial action: Lock then unlock the BB.		

Table 22-569 IK4007106 - L1L2 CONFIG TIMEOUT CELL DELETE

Alarm	Attributes	Applicable major NE releases
Name: IK4007106 (2605) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: L1L2 CONFIG TIMEOUT CELL DELETE (536) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a non-response from BB entity for cell deletion in the logical cell resetting procedure.		
Impact: The service is not possible on this BB		
Remedial action: Lock then unlock the BB.		

Table 22-570 IK4007107 - CELL CLEAN UP FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4007107 (2606) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: CELL CLEAN UP FAILURE (537) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a cell deletion failure when cell clean-up is triggered by lteCell instance deletion online, parameter update or when software failure happens		
Impact: The service is not possible on this BB		
Remedial action: Lock then unlock the BB.		

Table 22-571 IK4007108 - ENB X2 PLMN INCONSISTENCY

Alarm	Attributes	Applicable major NE releases
Name: IK4007108 (2607) Type: communicationsAlarm (4) Package: lte Raised on class: lte.X2Access	Severity: variable Specific problem: ENB X2 PLMN INCONSISTENCY (538) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates an inconsistency between the PLMN ID of Global eNB ID, Served Cell Information or Neighbour Information received from candidate eNB in X2AP message (X2 SETUP REQUEST, X2 SETUP RESPONSE, ENB CONFIGURATION UPDATE) and local eNodeB's PLMN ID.		
Impact: Handover to the remote eNodeB is restricted.		
Remedial action: No action is required.		

Table 22-572 IK4007109 - L1L2 CONFIG ERROR CELL UPDATE

Alarm	Attributes	Applicable major NE releases
Name: IK4007109 (2608) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Cell	Severity: major Specific problem: L1L2 CONFIG ERROR CELL UPDATE (539) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a configuration error detected by BB entity for the cell update procedure.		
Impact: The LTE service is affected on this cell. If power settings were changed, inconsistency between SIBs broadcast to UEs and modem power settings configuration can exist.		
Remedial action: Check and correct the wrong parameter.		

Table 22-573 IK4007110 - L1L2 CONFIG REFUSED CELL UPDATE

Alarm	Attributes	Applicable major NE releases
Name: IK4007110 (2609) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Cell	Severity: major Specific problem: L1L2 CONFIG REFUSED CELL UPDATE (540) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a cell update is refused by the BB entity.		
Impact: The LTE service is affected on this cell. If power settings were changed, inconsistency between SIBs broadcast to UEs and modem power settings configuration can exist.		
Remedial action: Call the next level of support.		

Table 22-574 IK4007111 - L1L2 CONFIG TIMEOUT CELL UPDATE

Alarm	Attributes	Applicable major NE releases
Name: IK4007111 (2610) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Cell	Severity: major Specific problem: L1L2 CONFIG TIMEOUT CELL UPDATE (541) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a non-response by the BB entity to the cell update procedure.		
Impact: The LTE service is affected on this cell. If power settings were changed, inconsistency between SIBs broadcast to UEs and modem power settings configuration can exist.		
Remedial action: Lock and unlock the cell. If the alarm persists. Call the next level of support.		

Table 22-575 IK4007112 - MME S1 SETUP REQUEST NOT SENT

Alarm	Attributes	Applicable major NE releases
Name: IK4007112 (2611) Type: communicationsAlarm (4) Package: lte Raised on class: lte.MmeAccess	Severity: critical Specific problem: MME S1 SETUP REQUEST NOT SENT (542) Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that the S1 Setup Request has not been sent because of an internal problem.		
Impact: The service is degraded (with S1 flex). The service is no longer available (without S1 flex).		
Remedial action: Check the parameters.		

Table 22-576 IK4007113 - L1L2 CONFIG ERROR CELL MBMS SCHEDULING INFO

Alarm	Attributes	Applicable major NE releases
Name: IK4007113 (2612) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Cell	Severity: critical Specific problem: L1L2 CONFIG ERROR CELL MBMS SCHEDULING INFO (543) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates the Cell MBMS scheduling info is rejected by the BB entity because of a configuration error.		
Impact: The MBMS service is not possible on this cell.		
Remedial action: Check the parameters.		

Table 22-577 IK4007114 - L1L2 CONFIG REFUSED CELL MBMS SCHEDULING INFO

Alarm	Attributes	Applicable major NE releases
Name: IK4007114 (2613) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.Cell	Severity: critical Specific problem: L1L2 CONFIG REFUSED CELL MBMS SCHEDULING INFO (544) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates the Cell MBMS scheduling info is refused by the BB entity.		
Impact: The MBMS service is not possible on this cell.		
Remedial action: Call the next level of support.		

Table 22-578 IK4007115 - L1L2 CONFIG TIMEOUT CELL MBMS SCHEDULING INFO

Alarm	Attributes	Applicable major NE releases
Name: IK4007115 (2614) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.Cell	Severity: critical Specific problem: L1L2 CONFIG TIMEOUT CELL MBMS SCHEDULING INFO (545) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a non-response by the BB entity to the Cell MBMS scheduling info procedure.		
Impact: The MBMS service is not possible on this cell.		
Remedial action: Call the next level of support.		

Table 22-579 IK4007116 - BB DELAY CONFIG FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4007116 (2615) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.BBCardSpecifics	Severity: critical Specific problem: BB DELAY CONFIG FAILURE (546) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a modification of delays requiring BB to be reset so to use new values.		
Impact: The service is not possible on this BB.		
Remedial action: Reset the BB.		

Table 22-580 IK4007117 - CALLTRACE SIGN BASED STOPPED BY DDT

Alarm	Attributes	Applicable major NE releases
Name: IK4007117 (3058) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: CALLTRACE SIGN BASED STOPPED BY DDT (547) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates that the signaling based trace session is stopped when eNodeB received a dynamic debug trace session activation request.		
Impact: No impact on eNodeB.		
Remedial action: No action is required.		

Table 22-581 IK4007118 - DYNAMIC DEBUG TRACE ACTIVATION FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4007118 (3059) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: DYNAMIC DEBUG TRACE ACTIVATION FAILURE (548) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates that the dynamic debug trace activation failed.		
Impact: No impact on eNodeB.		
Remedial action: No action is required.		

Table 22-582 IK4007119 - DYNAMIC DEBUG TRACE INVALID PARAMETER

Alarm	Attributes	Applicable major NE releases
Name: IK4007119 (3060) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: DYNAMIC DEBUG TRACE INVALID PARAMETER (549) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates that the dynamic debug trace parameters are invalid.		
Impact: No impact on eNodeB.		
Remedial action: No action is required.		

Table 22-583 IK4007120 - NO RRC CONNECTIONS DETECTED FOR A PERIOD

Alarm	Attributes	Applicable major NE releases
Name: IK4007120 (3061) Type: communicationsAlarm (4) Package: lte Raised on class: lte.Cell	Severity: major Specific problem: NO RRC CONNECTIONS DETECTED FOR A PERIOD (550) Implicitly cleared: true Default probable cause: communicationsSubsystemFailure (915)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that no RRC connection has been setup for a period (no new connections, no re-establishments and no incoming handovers). This period is configurable per Cell.		
Impact: It is possible that RRC connections are being attempted but an error is not allowing any to be completed		
Remedial action: Check the configurable period and the hours this alarm is raised. If configurable period is long enough such that some connections should have been established, please call the next level of support.		

Table 22-584 IK4007121 - BB FAULT 1

Alarm	Attributes	Applicable major NE releases
Name: IK4007121 (3062) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BBCardSpecifics	Severity: minor Specific problem: BB FAULT 1 (72) Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. Unspecified BB fault detected		
Impact: Check the additional info for impact details.		
Remedial action: Check the additional information for maintenance action details.		

Table 22-585 IK4007122 - BB FAULT 2

Alarm	Attributes	Applicable major NE releases
Name: IK4007122 (3063) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BBCardSpecifics	Severity: minor Specific problem: BB FAULT 2 (73) Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. Unspecified BB fault detected		
Impact: Check the additional info for impact details.		
Remedial action: Check the additional information for maintenance action details.		

Table 22-586 IK4007123 - BB FAULT 3

Alarm	Attributes	Applicable major NE releases
Name: IK4007123 (3064) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BBCardSpecifics	Severity: minor Specific problem: BB FAULT 3 (74) Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. Unspecified BB fault detected		
Impact: Check the additional info for impact details.		
Remedial action: Check the additional information for maintenance action details.		

Table 22-587 IK4007124 - BB EVENT 1

Alarm	Attributes	Applicable major NE releases
Name: IK4007124 (3065) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BBCardSpecifics	Severity: variable Specific problem: BB EVENT 1 (551) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. Unspecified BB fault detected		
Impact: Check the additional info for impact details.		
Remedial action: No action is required.		

Table 22-588 IK4007125 - BB EVENT 2

Alarm	Attributes	Applicable major NE releases
Name: IK4007125 (3066) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BBCardSpecifics	Severity: variable Specific problem: BB EVENT 2 (552) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. Unspecified BB fault detected		
Impact: Check the additional info for impact details.		
Remedial action: No action is required.		

Table 22-589 IK4007126 - BB EVENT 3

Alarm	Attributes	Applicable major NE releases
Name: IK4007126 (3067) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BBCardSpecifics	Severity: variable Specific problem: BB EVENT 3 (553) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. Unspecified BB fault detected		
Impact: Check the additional info for impact details.		
Remedial action: No action is required.		

Table 22-590 IK4007127 - BSC_ACCESS FAULT 1

Alarm	Attributes	Applicable major NE releases
Name: IK4007127 (3068) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BscAccess	Severity: minor Specific problem: BSC_ACCESS FAULT 1 (554) Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. Unspecified BSC Access fault		
Impact: Check the additional info for impact details.		
Remedial action: Check the additional information for maintenance action details.		

Table 22-591 IK4007128 - BSC_ACCESS FAULT 2

Alarm	Attributes	Applicable major NE releases
Name: IK4007128 (3069) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BscAccess	Severity: minor Specific problem: BSC_ACCESS FAULT 2 (555) Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. Unspecified BSC Access fault		
Impact: Check the additional info for impact details.		
Remedial action: Check the additional information for maintenance action details.		

Table 22-592 IK4007129 - BSC_ACCESS FAULT 3

Alarm	Attributes	Applicable major NE releases
Name: IK4007129 (3070) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BscAccess	Severity: minor Specific problem: BSC_ACCESS FAULT 3 (556) Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. Unspecified BSC Access fault		
Impact: Check the additional info for impact details.		
Remedial action: Check the additional information for maintenance action details.		

Table 22-593 IK4007130 - BSC_ACCESS EVENT 1

Alarm	Attributes	Applicable major NE releases
Name: IK4007130 (3071) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BscAccess	Severity: variable Specific problem: BSC_ACCESS EVENT 1 (557) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in.		
Impact: Check the additional info for impact details.		
Remedial action: No action is required.		

Table 22-594 IK4007131 - BSC_ACCESS EVENT 2

Alarm	Attributes	Applicable major NE releases
Name: IK4007131 (3072) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BscAccess	Severity: variable Specific problem: BSC_ACCESS EVENT 2 (558) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in.		
Impact: Check the additional info for impact details.		
Remedial action: No action is required.		

Table 22-595 IK4007132 - BSC_ACCESS EVENT 3

Alarm	Attributes	Applicable major NE releases
Name: IK4007132 (3073) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.BscAccess	Severity: variable Specific problem: BSC_ACCESS EVENT 3 (559) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in.		
Impact: Check the additional info for impact details.		
Remedial action: No action is required.		

Table 22-596 IK4007133 - CELL FAULT 1

Alarm	Attributes	Applicable major NE releases
Name: IK4007133 (3074) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.Cell	Severity: minor Specific problem: CELL FAULT 1 (560) Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> • LR13.1 • LT6.0
Description: Unspecified Cell fault.		
Impact: Check the additional info for impact details.		
Remedial action: Check the additional information for maintenance action details.		

Table 22-597 IK4007134 - CELL FAULT 2

Alarm	Attributes	Applicable major NE releases
Name: IK4007134 (3075) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.Cell	Severity: minor Specific problem: CELL FAULT 2 (561) Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LT6.0
Description: Unspecified Cell fault.		
Impact: Check the additional info for impact details.		
Remedial action: Check the additional information for maintenance action details.		

Table 22-598 IK4007135 - CELL FAULT 3

Alarm	Attributes	Applicable major NE releases
Name: IK4007135 (3076) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Cell	Severity: minor Specific problem: CELL FAULT 3 (562) Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. Unspecified Cell fault.		
Impact: Check the additional info for impact details.		
Remedial action: Check the additional information for maintenance action details.		

Table 22-599 IK4007136 - CELL EVENT 1

Alarm	Attributes	Applicable major NE releases
Name: IK4007136 (3077) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Cell	Severity: variable Specific problem: CELL EVENT 1 (563) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in.		
Impact: Check the additional info for impact details.		
Remedial action: No action is required.		

Table 22-600 IK4007137 - CELL EVENT 2

Alarm	Attributes	Applicable major NE releases
Name: IK4007137 (3078) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Cell	Severity: variable Specific problem: CELL EVENT 2 (564) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in.		
Impact: Check the additional info for impact details.		
Remedial action: No action is required.		

Table 22-601 IK4007138 - CELL EVENT 3

Alarm	Attributes	Applicable major NE releases
Name: IK4007138 (3079) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Cell	Severity: variable Specific problem: CELL EVENT 3 (565) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in.		
Impact: Check the additional info for impact details.		
Remedial action: No action is required.		

Table 22-602 IK4007139 - ENB FAULT 1

Alarm	Attributes	Applicable major NE releases
Name: IK4007139 (3080) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: minor Specific problem: ENB FAULT 1 (566) Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. Unspecified eNodeB fault.		
Impact: Check the additional info for impact details.		
Remedial action: Check the additional information for maintenance action details.		

Table 22-603 IK4007140 - ENB FAULT 2

Alarm	Attributes	Applicable major NE releases
Name: IK4007140 (3081) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: minor Specific problem: ENB FAULT 2 (567) Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. Unspecified eNodeB fault.		
Impact: Check the additional info for impact details.		
Remedial action: Check the additional information for maintenance action details.		

Table 22-604 IK4007141 - ENB FAULT 3

Alarm	Attributes	Applicable major NE releases
Name: IK4007141 (3082) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: minor Specific problem: ENB FAULT 3 (568) Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. Unspecified eNodeB fault.		
Impact: Check the additional info for impact details.		
Remedial action: Check the additional information for maintenance action details.		

Table 22-605 IK4007142 - ENB EVENT 1

Alarm	Attributes	Applicable major NE releases
Name: IK4007142 (3083) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: ENB EVENT 1 (569) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in.		
Impact: Check the additional info for impact details.		
Remedial action: No action is required.		

Table 22-606 IK4007143 - ENB EVENT 2

Alarm	Attributes	Applicable major NE releases
Name: IK4007143 (3084) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: ENB EVENT 2 (570) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in.		
Impact: Check the additional info for impact details.		
Remedial action: No action is required.		

Table 22-607 IK4007144 - ENB EVENT 3

Alarm	Attributes	Applicable major NE releases
Name: IK4007144 (3085) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: ENB EVENT 3 (571) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in.		
Impact: Check the additional info for impact details.		
Remedial action: No action is required.		

Table 22-608 IK4007145 - S1 FAULT 1

Alarm	Attributes	Applicable major NE releases
Name: IK4007145 (3086) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.MmeAccess	Severity: minor Specific problem: S1 FAULT 1 (572) Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. Unspecified S1 fault.		
Impact: Check the additional info for impact details.		
Remedial action: Check the additional information for maintenance action details.		

Table 22-609 IK4007146 - S1 FAULT 2

Alarm	Attributes	Applicable major NE releases
Name: IK4007146 (3087) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.MmeAccess	Severity: minor Specific problem: S1 FAULT 2 (573) Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. Unspecified S1 fault.		
Impact: Check the additional info for impact details.		
Remedial action: Check the additional information for maintenance action details.		

Table 22-610 IK4007147 - S1 FAULT 3

Alarm	Attributes	Applicable major NE releases
Name: IK4007147 (3088) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.MmeAccess	Severity: minor Specific problem: S1 FAULT 3 (574) Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. Unspecified S1 fault.		
Impact: Check the additional info for impact details.		
Remedial action: Check the additional information for maintenance action details.		

Table 22-611 IK4007148 - S1 EVENT 1

Alarm	Attributes	Applicable major NE releases
Name: IK4007148 (3089) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.MmeAccess	Severity: variable Specific problem: S1 EVENT 1 (575) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in.		
Impact: Check the additional info for impact details.		
Remedial action: No action is required.		

Table 22-612 IK4007149 - S1 EVENT 2

Alarm	Attributes	Applicable major NE releases
Name: IK4007149 (3090) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.MmeAccess	Severity: variable Specific problem: S1 EVENT 2 (576) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in.		
Impact: Check the additional info for impact details.		
Remedial action: No action is required.		

Table 22-613 IK4007150 - S1 EVENT 3

Alarm	Attributes	Applicable major NE releases
Name: IK4007150 (3091) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.MmeAccess	Severity: variable Specific problem: S1 EVENT 3 (577) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in.		
Impact: Check the additional info for impact details.		
Remedial action: No action is required.		

Table 22-614 IK4007151 - X2 FAULT 1

Alarm	Attributes	Applicable major NE releases
Name: IK4007151 (3092) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.X2Access	Severity: minor Specific problem: X2 FAULT 1 (578) Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. Unspecified X2 fault.		
Impact: Check the additional info for impact details.		
Remedial action: Check the additional information for maintenance action details.		

Table 22-615 IK4007152 - X2 FAULT 2

Alarm	Attributes	Applicable major NE releases
Name: IK4007152 (3093) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.X2Access	Severity: minor Specific problem: X2 FAULT 2 (579) Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. Unspecified X2 fault.		
Impact: Check the additional info for impact details.		
Remedial action: Check the additional information for maintenance action details.		

Table 22-616 IK4007153 - X2 FAULT 3

Alarm	Attributes	Applicable major NE releases
Name: IK4007153 (3094) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.X2Access	Severity: minor Specific problem: X2 FAULT 3 (580) Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. Unspecified X2 fault.		
Impact: Check the additional info for impact details.		
Remedial action: Check the additional information for maintenance action details.		

Table 22-617 IK4007154 - X2 EVENT 1

Alarm	Attributes	Applicable major NE releases
Name: IK4007154 (3095) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.X2Access	Severity: variable Specific problem: X2 EVENT 1 (581) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in.		
Impact: Check the additional info for impact details.		
Remedial action: No action is required.		

Table 22-618 IK4007155 - X2 EVENT 2

Alarm	Attributes	Applicable major NE releases
Name: IK4007155 (3096) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.X2Access	Severity: variable Specific problem: X2 EVENT 2 (582) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in.		
Impact: Check the additional info for impact details.		
Remedial action: No action is required.		

Table 22-619 IK4007156 - X2 EVENT 3

Alarm	Attributes	Applicable major NE releases
Name: IK4007156 (3097) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.X2Access	Severity: variable Specific problem: X2 EVENT 3 (583) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in.		
Impact: Check the additional info for impact details.		
Remedial action: No action is required.		

Table 22-620 IK4007157 - END OF INTERRAT UTRAN ANR ACTIVE PHASE

Alarm	Attributes	Applicable major NE releases
Name: IK4007157 (3098) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.UtraFddNeighboringFreqConf	Severity: variable Specific problem: END OF INTERRAT UTRAN ANR ACTIVE PHASE (584) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This event indicates the end of the inter-RAT UTRAN ANR active phase.		
Impact: No impact on eNodeB.		
Remedial action: No action is required.		

Table 22-621 IK4007158 - UTRAN NEIGHBOR RELATION MIB INSTANCE CANNOT BE REMOVED BY ANR

Alarm	Attributes	Applicable major NE releases
Name: IK4007158 (3099) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.UtraFddNeighboringCellRelation	Severity: variable Specific problem: UTRAN NEIGHBOR RELATION MIB INSTANCE CANNOT BE REMOVED BY ANR (585) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This event indicates the UTRAN neighbor relation MIB instance is not removed because the removal is not allowed.		
Impact: No impact on eNodeB.		
Remedial action: No action is required.		

Table 22-622 IK4007159 - CREATED UTRAN NEIGHBOR CANNOT BE ASSOCIATED TO RNC

Alarm	Attributes	Applicable major NE releases
Name: IK4007159 (3100) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.UtraFddNeighboringCellRelation	Severity: variable Specific problem: CREATED UTRAN NEIGHBOR CANNOT BE ASSOCIATED TO RNC (586) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This event indicates no RNC is found to associate the UtraFddNeighbouringCellRelation.		
Impact: No impact on eNodeB.		
Remedial action: No action is required.		

Table 22-623 IK4007160 - END CMAS ALERT

Alarm	Attributes	Applicable major NE releases
Name: IK4007160 (3101) Type: communicationsAlarm (4) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: END CMAS ALERT (587) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates the end of the CMAS message broadcast.		
Impact: No impact on service.		
Remedial action: No action is required.		

Table 22-624 IK4007161 - L1L2 CONFIG REFUSED CMAS

Alarm	Attributes	Applicable major NE releases
Name: IK4007161 (3102) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Cell	Severity: variable Specific problem: L1L2 CONFIG REFUSED CMAS (588) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates that the BB L1/L2 entity rejected CMAS message broadcast.		
Impact: The CMAS message broadcast is not possible on the affected cell.		
Remedial action: No action is required.		

Table 22-625 IK4007162 - L1L2 CONFIG TIMEOUT CMAS

Alarm	Attributes	Applicable major NE releases
Name: IK4007162 (3103) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Cell	Severity: variable Specific problem: L1L2 CONFIG TIMEOUT CMAS (589) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates a no-response from BB L1/L2 entity detected during the CMAS broadcast procedure.		
Impact: The CMAS message broadcast is not possible on the affected cell.		
Remedial action: No action is required.		

Table 22-626 IK4007163 - UTRAN SYS INFO TRANSFER INITIATION REPORT FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4007163 (3104) Type: communicationsAlarm (4) Package: lte Raised on class: lte.RncAccess	Severity: minor Specific problem: UTRAN SYS INFO TRANSFER INITIATION REPORT FAILURE (590) Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that CallIP does not manage to retrieve the system information (UTRASI) of a target UTRAN cell using RIM RAN-INFORMATION-REQUEST/multiple report.		
Impact: The service is degraded: the eNodeB is not able to provide UTRASI of the target UTRAN Cell in the RRC Connection Release sent to the UE.		
Remedial action: Check for the proper functioning of the following: 1. UTRAN cell provisioning 2. RIM support for MME and SGSN 3. IP routing path between eNodeB S1 interface IP endpoint and target RNC.		

Table 22-627 IK4007164 - UTRAN SYS INFO UPDATE STOP FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4007164 (3105) Type: communicationsAlarm (4) Package: lte Raised on class: lte.RncAccess	Severity: variable Specific problem: UTRAN SYS INFO UPDATE STOP FAILURE (591) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates that CallIP does not manage to stop event-driven system information (UTRASI) of a target UTRAN Cell using RIM RAN-INFORMATION-REQUEST/stop.		
Impact: No impact on service.		
Remedial action: No action is required.		

Table 22-628 IK4007165 - UTRAN SYS INFO UPDATE END

Alarm	Attributes	Applicable major NE releases
Name: IK4007165 (3106) Type: communicationsAlarm (4) Package: lte Raised on class: lte.RncAccess	Severity: variable Specific problem: UTRAN SYS INFO UPDATE END (592) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates that the eNodeB CallP has received RIM RAN-INFORMATION/end message from a target RNC indicating that event-driven system information update for a target UTRAN cell has been stopped.		
Impact: The service is degraded: the eNodeB is not able to provide UTRAN SI of the target UTRAN cell in the RRC Connection Release sent to the UE.		
Remedial action: No action is required.		

Table 22-629 IK4007166 - UTRA RAN INFORMATION ERROR

Alarm	Attributes	Applicable major NE releases
Name: IK4007166 (3107) Type: communicationsAlarm (4) Package: lte Raised on class: lte.RncAccess	Severity: variable Specific problem: UTRA RAN INFORMATION ERROR (593) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates that there is an error in RIM container IE when eNodeB receive RIM message from peer node or RAN-INFORMATION-ERROR message is received from peer node.		
Impact: The service is degraded: the eNodeB is not able to provide UTRAN SI of the target UTRAN cell in the RRC Connection Release sent to the UE.		
Remedial action: No action is required.		

Table 22-630 IK4007167 - UTRA RAN INFORMATION APPLICATION ERROR

Alarm	Attributes	Applicable major NE releases
Name: IK4007167 (3108) Type: communicationsAlarm (4) Package: lte Raised on class: lte.RncAccess	Severity: variable Specific problem: UTRA RAN INFORMATION APPLICATION ERROR (594) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates there is an error in application container IE or there is application error container IE when eNodeB receive RIM message from peer node.		
Impact: The service is degraded: the eNodeB is not able to provide UTRAN SI of the target UTRAN cell in the RRC Connection Release sent to the UE.		
Remedial action: No action is required.		

Table 22-631 IK4007168 - NEW INTERFREQ NEIGHBOUR DISCOVERED

Alarm	Attributes	Applicable major NE releases
Name: IK4007168 (3109) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.Cell	Severity: variable Specific problem: NEW INTERFREQ NEIGHBOUR DISCOVERED (595) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LT6.0
Description: This event indicates a new inter-frequency neighbour cell has been discovered by the eNB through ANR measurement report.		
Impact: No impact on service.		
Remedial action: No action is required.		

Table 22-632 IK4007169 - END OF INTRAFREQ LTE ANR ACTIVE PHASE

Alarm	Attributes	Applicable major NE releases
Name: IK4007169 (3110) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.Cell	Severity: variable Specific problem: END OF INTRAFREQ LTE ANR ACTIVE PHASE (596) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This event indicates the end of the intra-frequency LTE ANR active phase.		
Impact: No impact on eNodeB.		
Remedial action: No action is required.		

Table 22-633 IK4007170 - MME S1 SETUP RESPONSE INCONSISTENCY

Alarm	Attributes	Applicable major NE releases
Name: IK4007170 (3111) Type: qualityOfServiceAlarm (82) Package: Ite Raised on class: Ite.MmeAccess	Severity: variable Specific problem: MME S1 SETUP RESPONSE INCONSISTENCY (597) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates a configuration mismatch between the MIM and the MME.		
Impact: No impact on service.		
Remedial action: No action is required.		

Table 22-634 IK4007171 - X2 RESOURCE STATUS REPORTING INITIATION FAILURE OR NO RESPONSE

Alarm	Attributes	Applicable major NE releases
Name: IK4007171 (3780) Type: communicationsAlarm (4) Package: lte Raised on class: lte.X2Access	Severity: minor Specific problem: X2 RESOURCE STATUS REPORTING INITIATION FAILURE OR NO RESPONSE (598) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates a persistent X2AP RESOURCE STATUS FAILURE message or no response from a peer eNodeB.		
Impact: No load information can be used for inter-freq mobility.		
Remedial action: Check peer eNB and do X2 lock/unlock when it is available for X2 load reporting		

Table 22-635 IK4007172 - END OF INTER-FREQ ANR ACTIVE PHASE

Alarm	Attributes	Applicable major NE releases
Name: IK4007172 (3781) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Cell	Severity: variable Specific problem: END OF INTER-FREQ ANR ACTIVE PHASE (599) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This event indicates the end of the inter-frequency LTE ANR active phase.		
Impact: No impact on eNodeB		
Remedial action: No action is required.		

Table 22-636 IK4007175 - SIB3 AUTOMATED PARAMETER UPDATE

Alarm	Attributes	Applicable major NE releases
Name: IK4007175 (3782) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Cell	Severity: variable Specific problem: SIB3 AUTOMATED PARAMETER UPDATE (600) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This event indicates the cell has automatically modified cell reselection parameters broadcast in SIB3 based on cell loading conditions		
Impact: No impact on eNodeB		
Remedial action: No action is required.		

Table 22-637 IK4007176 - SIB RATE EXCESS

Alarm	Attributes	Applicable major NE releases
Name: IK4007176 (3783) Type: securityServiceOrMechanismViolation (92) Package: lte Raised on class: lte.Cell	Severity: variable Specific problem: SIB RATE EXCESS (601) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This event indicates that SIB updates incremented the Value Tag more than 32 times in elapsed 3 hours.		
Impact: 3 of the Ues coming back from neighbour cells may have missed parameters updates. The possible misbehaviour should have minor severity.		
Remedial action: No action is required.		

Table 22-638 IK4007177 - EMBMS QOS

Alarm	Attributes	Applicable major NE releases
Name: IK4007177 (3784) Type: qualityOfServiceAlarm (82) Package: lte Raised on class: lte.Cell	Severity: major Specific problem: EMBMS QOS (602) Implicitly cleared: true Default probable cause: performanceDegraded (710)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that eMBMS service is experiencing packet loss (greater than lteCell::mbmsPacketLossThrHigh) or excessive delay (packets are detected in excess in eMBMS buffers).		
Impact: Degraded service quality due to excessive packet loss or delay.		
Remedial action: Depending on the reason found different actions can be taken: (1) packet loss or delay between the eNB and the BM-SC: fix network issue; (2) estimated network delay in the BM-SC is not correct: Check the network delay at the BM-SC; (3) time reference is different in eNB and BM-SC: check the synchronization period and the synchronization sequence provisionned in the BM-SC and the eNB parameters Mbms::m1SyncSequenceDuration and m1SyncPeriodDuration. The Mbms::m1SyncPeriodOffset can also be set on the eNB side to make a correction on the time-stamps received from the BM-SC. This value is subtracted to the BM-SC time-stamp (modulus m1SyncPeriodDuration). The same value shall be set on all eNBs of a MBSFN area. When possible, it is preferred to adjust the delay directly in the BM-SC rather than setting the syncPeriodOffset. (4) mismatch between the service bit rate and the resources allocated in the eNB: check MCE and content provider provisioning: the effective bit rate on the M1 interface seems to exceed the bit rate announced in M3 session start. (5) check isMbmsTrafficAllowed and the status of the synchronization clock source.		

Table 22-639 IK4007178 - LTE NEIGHBOR RELATION MIB INSTANCE CANNOT BE REMOVED BY ANR

Alarm	Attributes	Applicable major NE releases
Name: IK4007178 (3785) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Cell	Severity: variable Specific problem: LTE NEIGHBOR RELATION MIB INSTANCE CANNOT BE REMOVED BY ANR (603) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This event indicates the LTE neighbor relation MIB instance is not removed because the removal is not allowed.		

(1 of 2)

22 – Alcatel-Lucent 9xxx eNodeB alarms

Alarm	Attributes	Applicable major NE releases
Impact: No impact on eNodeB		
Remedial action: No action is required.		

(2 of 2)

Table 22-640 IK4007179 - CELL DISABLED DUE TO BAD POWER CONFIGURATION

Alarm	Attributes	Applicable major NE releases
Name: IK4007179 (3786) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Cell	Severity: critical Specific problem: CELL DISABLED DUE TO BAD POWER CONFIGURATION (604) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that the LTE Cell is disabled due to misconfiguration in power settings during cell setup procedure or cell parameter update procedure.		
Impact: The LTE Cell is out of service. No traffic on this cell.		
Remedial action: Correct the lteCell power parameters configuration and apply the update so to put the lteCell back into service.		

Table 22-641 IK4007181 - PCI CONFUSION

Alarm	Attributes	Applicable major NE releases
Name: IK4007181 (3787) Type: operationalViolation (93) Package: lte Raised on class: lte.Cell	Severity: major Specific problem: PCI CONFUSION (485) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3
Description: This alarm indicates a PCI confusion between the cell and a neighbour cell of a neighbour cell. A manual intervention is needed to solve the problem. This can happen in the following cases: (1)The conflict could not be solved autonomously by the eNB; (2)The automatic PCI allocation is not activated.		
Impact: Mobility procedure triggered in the neighbour cell may be directed to a wrong neighboring cell, leading to further call drops. The list of potentially victim eNBs is displayed.		
Remedial action: If the automatic PCI allocation is activated: Increase the list of allowed PCI values, either for the local or for the distant eNodeB; If the automatic PCI allocation is not activated: Change the PCI value, either for the local or the distant cell.		

Table 22-642 IK4007182 - PCI CONFUSION NEIGHB CELLS

Alarm	Attributes	Applicable major NE releases
Name: IK4007182 (3788) Type: operationalViolation (93) Package: lte Raised on class: lte.ENBEquipment	Severity: major Specific problem: PCI CONFUSION NEIGHB CELLS (483) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3
Description: This alarm indicates this eNB is a victim of PCI confusion, it has multiple neighbor cells that have the same PCI as each other. A manual intervention is needed to solve the problem. This issue may affect mobility procedures in any of the eNodeB cells.		
Impact: Mobility procedure triggered in the cell may be directed to a wrong neighboring cell, leading to further call drops.		
Remedial action: The maintenance action has to be done in one of the neighbour eNBs. The issue is also reported by Alarms in these eNBs. If the automatic PCI allocation is activated in these eNBs: (1) If a Warning Alarm is raised, the issue will be automatically solved in the next maintenance window; (2) If a Major Alarm is raised, the issue cannot be automatically solved. It is necessary to increase the list of allowed PCI values, and the issue will be automatically solved in the next maintenance window. If the automatic PCI allocation is not activated in these eNBs: A Major Alarm is raised. It is necessary to change the PCI value of one of the actor cell of the issue.		

Table 22-643 IK4007183 - INCOMPLETE BROADCAST OF A PRESIDENTIAL ALERT

Alarm	Attributes	Applicable major NE releases
Name: IK4007183 (3789) Type: qualityOfServiceAlarm (82) Package: lte Raised on class: lte.Cell	Severity: variable Specific problem: INCOMPLETE BROADCAST OF A PRESIDENTIAL ALERT (605) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This event indicates that the eNB has been unable to broadcast a CMAS Presidential Alert the requested number of times.		
Impact: Some or all users in the cell may have not received the Presidential Alert		
Remedial action: No action is required.		

Table 22-644 IK4007184 - BRC UC FAILED

Alarm	Attributes	Applicable major NE releases
Name: IK4007184 (3989) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.MODULE	Severity: variable Specific problem: BRC UC FAILED (467) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This event indicates that the UeCallIP detected a no-response from BRC-UC.		
Impact: The eNodeB performance is low.		

(1 of 2)

22 – Alcatel-Lucent 9xxx eNodeB alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: No action is required.		

(2 of 2)

Table 22-645 IK4007185 - BRC UC WARNING

Alarm	Attributes	Applicable major NE releases
Name: IK4007185 (3990) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.MODULE	Severity: variable Specific problem: BRC UC WARNING (469) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This event indicates that the BRC-UC reported a warning.		
Impact: No impact on eNodeB.		
Remedial action: No action is required.		

Table 22-646 IK4007186 - M3 SESSION START FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4007186 (3991) Type: qualityOfServiceAlarm (82) Package: lte Raised on class: lte.Mce	Severity: variable Specific problem: M3 SESSION START FAILURE (606) Implicitly cleared: true Default probable cause: congestion (694)	<ul style="list-style-type: none"> • LR13.1
Description: This event indicates that the MCE CAC for the incoming session has failed due to the cause Radio resources not available. So the MCE has returned back a Session Start Failure to the MME and the MCE has not performed any radio changes.		
Impact: The incoming eMBMS sessions can not be started		
Remedial action: For the MBSFN Area concerned by the incoming session: Stop another session or wait for that another session has ended, and then try to start the session. Another possibility: If possible, try to reduce the bit rate of the session and then try to start the session.		

Table 22-647 IK4007187 - M3 SESSION UPDATE FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4007187 (3992) Type: qualityOfServiceAlarm (82) Package: lte Raised on class: lte.Mce	Severity: variable Specific problem: M3 SESSION UPDATE FAILURE (607) Implicitly cleared: true Default probable cause: congestion (694)	<ul style="list-style-type: none"> • LR13.1
Description: This event indicates that the Session Update Request has failed due to the MCE CAC failure with the cause Radio resources not available for the new MBSFN Area(s) on which the session had to be broadcasted. So the MCE has returned back a Session Update Failure to the MME and the MCE has not performed any radio changes.		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Impact: The eMBMS sessions can not be updated		
Remedial action: For the new MBSFN Area on which the session should be broadcasted: Stop another session or wait for that another session has ended, and then try to perform a Session Update Request. Another possibility: If possible, try to reduce the bit rate of the session and then try to perform a Session Update Request.		

(2 of 2)

Table 22-648 IK4007188 - BRC CC WARNING

Alarm	Attributes	Applicable major NE releases
Name: IK4007188 (4657) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.MODULE	Severity: variable Specific problem: BRC CC WARNING (466) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This event indicates that the BRC-CC reported a warning.		
Impact: No impact on eNodeB.		
Remedial action: No action is required.		

Table 22-649 IK4007189 - L1L2 CONFIG REFUSED CELL DELETE

Alarm	Attributes	Applicable major NE releases
Name: IK4007189 (4658) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.MODULE	Severity: major Specific problem: L1L2 CONFIG REFUSED CELL DELETE (535) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates the cell deletion for logical cell resetting procedure is rejected by the Modem entity.		
Impact: Service is not possible on this eNB.		
Remedial action: Lock then unlock the eNB		

Table 22-650 IK4007190 - L1L2 CONFIG TIMEOUT CELL DELETE

Alarm	Attributes	Applicable major NE releases
Name: IK4007190 (4659) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.MODULE	Severity: major Specific problem: L1L2 CONFIG TIMEOUT CELL DELETE (536) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates a lack of response from the modem for cell deletion in the logical cell resetting procedure.		
Impact: Service is not possible on this eNB.		
Remedial action: Lock then unlock the eNB.		

Table 22-651 IK4007191 - CELL CLEAN UP FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4007191 (4660) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.MODULE	Severity: major Specific problem: CELL CLEAN UP FAILURE (537) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates a cell deletion failure when cell clean-up is triggered by lteCell instance deletion online, parameter update or when software failure happens.		
Impact: Service is not possible on this eNB.		
Remedial action: Lock then unlock the eNB.		

Table 22-652 IK4007192 - SCB DELAY CONFIG FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4007192 (4661) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.MODULE	Severity: critical Specific problem: SCB DELAY CONFIG FAILURE (608) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: Configured cell path delays are no longer correct and the modem function must be reset to adopt the new values.		
Impact: Service is not possible on this eNB until the modem is reset.		
Remedial action: Reset the modem.		

Table 22-653 IK4007193 - SCB FAULT 1

Alarm	Attributes	Applicable major NE releases
Name: IK4007193 (4662) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.MODULE	Severity: minor Specific problem: SCB FAULT 1 (609) Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: Provisioned for late churn-in. Unspecified Modem Function fault detected		
Impact: Check the additional info for impact details.		
Remedial action: Check the additional information for maintenance action details.		

Table 22-654 IK4007194 - SCB FAULT 2

Alarm	Attributes	Applicable major NE releases
Name: IK4007194 (4663) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.MODULE	Severity: minor Specific problem: SCB FAULT 2 (610) Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: Provisioned for late churn-in. Unspecified Modem Function fault detected		
Impact: Check the additional info for impact details.		
Remedial action: Check the additional information for maintenance action details.		

Table 22-655 IK4007195 - SCB FAULT 3

Alarm	Attributes	Applicable major NE releases
Name: IK4007195 (4664) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.MODULE	Severity: minor Specific problem: SCB FAULT 3 (611) Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: Provisioned for late churn-in. Unspecified Modem Function fault detected		
Impact: Check the additional info for impact details.		
Remedial action: Check the additional information for maintenance action details.		

Table 22-656 IK4007196 - SCB EVENT 1

Alarm	Attributes	Applicable major NE releases
Name: IK4007196 (4665) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.MODULE	Severity: variable Specific problem: SCB EVENT 1 (612) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: Provisioned for late churn-in. Unspecified Modem Function fault detected		
Impact: Check the additional info for impact details.		
Remedial action: No action is required.		

Table 22-657 IK4007197 - SCB EVENT 2

Alarm	Attributes	Applicable major NE releases
Name: IK4007197 (4666) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.MODULE	Severity: variable Specific problem: SCB EVENT 2 (613) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: Provisioned for late churn-in. Unspecified Modem Function fault detected		
Impact: Check the additional info for impact details.		
Remedial action: No action is required.		

Table 22-658 IK4007198 - SCB EVENT 3

Alarm	Attributes	Applicable major NE releases
Name: IK4007198 (4667) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.MODULE	Severity: variable Specific problem: SCB EVENT 3 (614) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: Provisioned for late churn-in. Unspecified Modem Function fault detected		
Impact: Check the additional info for impact details.		
Remedial action: No action is required.		

Table 22-659 IK4007201 - ANR X2IP ADDR RETRIEVAL FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4007201 (4668) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: major Specific problem: ANR X2IP ADDR RETRIEVAL FAILURE (496) Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates the X2 IP address retrieval failure. The alarm is cleared when X2Access instance created or internal timer.		
Impact: X2 link cannot be established until an X2Access instance is created.		
Remedial action: Create the X2Access instance, if an X2 link needs to be established.		

Table 22-660 IK4007202 - NEIGHBOR RELATION REPLACEMENT

Alarm	Attributes	Applicable major NE releases
Name: IK4007202 (4669) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Cell	Severity: variable Specific problem: NEIGHBOR RELATION REPLACEMENT (615) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This event indicates that a Neighbor Relation has been replaced with another higher priority neighbor.		
Impact: Neighbor Relation replaced		
Remedial action: No action is required.		

Table 22-661 IK4007203 - PSC CONFUSION UTRAN NEIGHB CELLS

Alarm	Attributes	Applicable major NE releases
Name: IK4007203 (4670) Type: operationalViolation (93) Package: lte Raised on class: lte.Cell	Severity: major Specific problem: PSC CONFUSION UTRAN NEIGHB CELLS (616) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3
Description: This alarm indicates this cell is a victim of a UTRAN PSC confusion, it has neighbor UTRAN cells in a particular UTRAN neighboring frequency that have the same PSC. A manual intervention is needed to solve the problem. This issue may affect mobility procedures from LTE to UTRAN.		
Impact: Mobility procedure triggered in the eNB towards UTRAN may be directed to a wrong neighboring cell, leading to further call drops.		
Remedial action: The maintenance action is to change the PSC value of one of the neighbor UTRAN cells to resolve the conflict.		

Table 22-662 IK4007204 - UTRAN CELL LOAD TRANSFER INITIATION REPORT FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4007204 (4671) Type: communicationsAlarm (4) Package: lte Raised on class: lte.RncAccess	Severity: minor Specific problem: UTRAN CELL LOAD TRANSFER INITIATION REPORT FAILURE (617) Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that CalIP does not manage to retrieve the cell load of a target UTRAN cell using RIM RAN-INFORMATION-REQUEST/multiple report.		
Remedial action: Check for the proper functioning of the following: 1. UTRAN cell provisioning; 2. RIM support for MME and SGSN; 3. IP routing path between eNodeB S1 interface IP endpoint and target RNC.		

Table 22-663 IK4007205 - CONFIRMED COMMUNICATION ISSUE MET WITH UE SETUPS ON THIS CELL

Alarm	Attributes	Applicable major NE releases
Name: IK4007205 (4672) Type: communicationsAlarm (4) Package: lte Raised on class: lte.Cell	Severity: critical Specific problem: CONFIRMED COMMUNICATION ISSUE MET WITH UE SETUPS ON THIS CELL (482) Implicitly cleared: true Default probable cause: applicationSubsystemFailure (689)	<ul style="list-style-type: none"> • LR13.1 • LR13.3
Description: This alarm indicates that an internal communication issue has been met for multiple UEs on this cell during the UE Setup procedure.		
Impact: LTE traffic is interrupted on this cell.		
Remedial action: Lock and then unlock the lteCell. If this fails to clear the fault then lock and unlock the modem (BB) board.		

Table 22-664 IK4007206 - SCTP RELEASE DUE TO DUPLICATED MMECs

Alarm	Attributes	Applicable major NE releases
Name: IK4007206 (4673) Type: operationalViolation (93) Package: lte Raised on class: lte.MmeAccess	Severity: critical Specific problem: SCTP RELEASE DUE TO DUPLICATED MMECs (618) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that a MMEC or PLMN, MMEGI, MMEC in the 'Served GUMMEIs' IE of S1 Setup Response from one MME was found to be a duplicate with the existing ones from another MME.		
Impact: MMEAccess changed to disabled/ offline. Capacity mismatch between eNodeB and MMEs is possible; some roaming UEs may get poor LTE service.		
Remedial action: Update MMEGI or MMEC to make MMEGI, MMEC unique across all MMEs having SCTP with the eNodeB, and then re-try S1 Setup.		

Table 22-665 IK4007207 - UTRAN CELL LOAD TRANSFER STOP FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4007207 (4674) Type: communicationsAlarm (4) Package: Ite Raised on class: Ite.RncAccess	Severity: variable Specific problem: UTRAN CELL LOAD TRANSFER STOP FAILURE (619) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This event indicates that CallP does not manage to stop event-driven cell load exchange of a target UTRAN Cell using RIM RAN-INFORMATION-REQUEST/stop.		
Remedial action: No action is required.		

Table 22-666 IK4007208 - UTRAN CELL LOAD UPDATE END

Alarm	Attributes	Applicable major NE releases
Name: IK4007208 (4675) Type: communicationsAlarm (4) Package: Ite Raised on class: Ite.RncAccess	Severity: variable Specific problem: UTRAN CELL LOAD UPDATE END (620) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This event indicates that the eNodeB CallP has received RIM RAN-INFORMATION/end message from a target RNC indicating that event-driven cell load update for a target UTRAN cell has been stopped.		
Remedial action: No action is required.		

Table 22-667 IK4008001 - EBP INIT

Alarm	Attributes	Applicable major NE releases
Name: IK4008001 (2916) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.ENBEquipment	Severity: critical Specific problem: EBP INIT (621) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LT6.0
Description: This alarm indicates an initialization failure.		
Impact: EBP is out of service.		
Remedial action: Power cycle entire CB.		

Table 22-668 IK4008002 - EBP TX

Alarm	Attributes	Applicable major NE releases
Name: IK4008002 (2917) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: critical Specific problem: EBP TX (622) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LT6.0
Description: This alarm indicates a fault in transmit path.		
Impact: EBP is out of service.		
Remedial action: Check cable.		

Table 22-669 IK4008003 - EBP RX

Alarm	Attributes	Applicable major NE releases
Name: IK4008003 (2918) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: critical Specific problem: EBP RX (623) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LT6.0
Description: This alarm indicates a fault in receive path.		
Impact: EBP is out of service.		
Remedial action: Check cable.		

Table 22-670 IK4008004 - EBP FAULT 1

Alarm	Attributes	Applicable major NE releases
Name: IK4008004 (3112) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: minor Specific problem: EBP FAULT 1 (624) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR13.1 LR13.3 LR14.1.L LT6.0
Description: Provisioned for late churn-in.		
Impact: Check the additional info for impact details.		
Remedial action: Check the additional info for maintenance action details.		

Table 22-671 IK4008005 - EBP FAULT 2

Alarm	Attributes	Applicable major NE releases
Name: IK4008005 (3113) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: minor Specific problem: EBP FAULT 2 (625) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in.		
Impact: Check the additional info for impact details.		
Remedial action: Check the additional info for maintenance action details.		

Table 22-672 IK4008006 - EBP FAULT 3

Alarm	Attributes	Applicable major NE releases
Name: IK4008006 (3114) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: minor Specific problem: EBP FAULT 3 (626) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in.		
Impact: Check the additional info for impact details.		
Remedial action: Check the additional info for maintenance action details.		

Table 22-673 IK4008007 - EBP FAULT 4

Alarm	Attributes	Applicable major NE releases
Name: IK4008007 (3115) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: minor Specific problem: EBP FAULT 4 (627) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in.		
Impact: Check the additional info for impact details.		
Remedial action: Check the additional info for maintenance action details.		

Table 22-674 IK4008008 - EBP FAULT 5

Alarm	Attributes	Applicable major NE releases
Name: IK4008008 (3116) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: minor Specific problem: EBP FAULT 5 (628) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in.		
Impact: Check the additional info for impact details.		
Remedial action: Check the additional info for maintenance action details.		

Table 22-675 IK4008009 - EBP TRANS LSL BHPORT

Alarm	Attributes	Applicable major NE releases
Name: IK4008009 (3117) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: minor Specific problem: EBP TRANS LSL BHPORT (629) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates the detection of degraded received optical signal level on port.		
Impact: Degraded received optical signal strength on port 1.		
Remedial action: Check SFP module and fiber cable, cleaning or replacement is required.		

Table 22-676 IK4008010 - ETHERNET BACKHAUL PORT INIT

Alarm	Attributes	Applicable major NE releases
Name: IK4008010 (3790) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: critical Specific problem: ETHERNET BACKHAUL PORT INIT (630) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates an initialization failure.		
Impact: EBP is out of service.		
Remedial action: Power cycle entire CB.		

Table 22-677 IK4008011 - ETHERNET BACKHAUL PORT TX

Alarm	Attributes	Applicable major NE releases
Name: IK4008011 (3791) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.ENBEquipment	Severity: critical Specific problem: ETHERNET BACKHAUL PORT TX (631) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3
Description: This alarm indicates a fault in transmit path.		
Impact: EBP is out of service.		
Remedial action: Check cable.		

Table 22-678 IK4008012 - ETHERNET BACKHAUL PORT RX

Alarm	Attributes	Applicable major NE releases
Name: IK4008012 (3792) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.ENBEquipment	Severity: critical Specific problem: ETHERNET BACKHAUL PORT RX (632) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3
Description: This alarm indicates a fault in receive path.		
Impact: EBP is out of service.		
Remedial action: Check cable.		

Table 22-679 IK4008013 - EBP INDETERMINATE OPERATIONAL FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4008013 (3793) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.ENBEquipment	Severity: critical Specific problem: EBP INDETERMINATE OPERATIONAL FAILURE (633) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3
Description: This alarm indicates that a failure of the Ethernet backhaul (telecom) port has been detected that cannot be described by any specific alarm.		
Impact: External communication (both OAM and Telecom) may have failed or become unstable.		
Remedial action: Inspect the Ethernet port SFP and cable, replace any faulty unit. If these are good then the controller board may need to be reseeded, or replaced.		

Table 22-680 IK4008014 - EBP ALL SFP MISSING

Alarm	Attributes	Applicable major NE releases
Name: IK4008014 (4676) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: critical Specific problem: EBP ALL SFP MISSING (634) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: All SFPs are missing.		
Impact: LTE service is not available without the SFPs.		
Remedial action: Insert SFPs then reset the SCB to clear the alarm.		

Table 22-681 IK4008015 - ETHERNET BACKHAUL PORT TX

Alarm	Attributes	Applicable major NE releases
Name: IK4008015 (5227) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: critical Specific problem: ETHERNET BACKHAUL PORT TX (631) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR14.1.L
Description: This alarm indicates a fault in transmit path.		
Remedial action: Check cable.		

Table 22-682 IK4008016 - ETHERNET BACKHAUL PORT RX

Alarm	Attributes	Applicable major NE releases
Name: IK4008016 (5228) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: critical Specific problem: ETHERNET BACKHAUL PORT RX (632) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR14.1.L
Description: This alarm indicates a fault in receive path.		
Remedial action: Check cable.		

Table 22-683 IK4008017 - EBP INDETERMINATE OPERATIONAL FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4008017 (5229) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.ENBEquipment	Severity: critical Specific problem: EBP INDETERMINATE OPERATIONAL FAILURE (633) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates that a failure of the Ethernet backhaul (telecom) port has been detected that cannot be described by any specific alarm.		
Remedial action: Inspect the Ethernet port SFP and cable, replace any faulty unit. If these are good then the controller board may need to be resealed, or replaced.		

Table 22-684 IK4008018 - EBP SFP1 I2C FAULT

Alarm	Attributes	Applicable major NE releases
Name: IK4008018 (5230) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.ENBEquipment	Severity: minor Specific problem: EBP SFP1 I2C FAULT (635) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates CB cannot read info of SFP1 through I2C		
Remedial action: Reset the CB or replace the SFP		

Table 22-685 IK4008019 - EBP SFP2 I2C FAULT

Alarm	Attributes	Applicable major NE releases
Name: IK4008019 (5231) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.ENBEquipment	Severity: minor Specific problem: EBP SFP2 I2C FAULT (636) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates CB cannot read info of SFP2 through I2C		
Remedial action: Reset the CB or replace the SFP		

Table 22-686 IK4009001 - AUTOTEST FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4009001 (2616) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: critical Specific problem: AUTOTEST FAILURE (637) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that the self test of the module reported an error.		
Impact: Telecom: The telecom resources processed by the module are lost as the module is out of service. OAM: No impact on OAM service.		
Remedial action: Reset the module. If the alarm persists, replace the module.		

Table 22-687 IK4009002 - AUTOTEST FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4009002 (2617) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: critical Specific problem: AUTOTEST FAILURE (637) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that the self test of the module reported an error.		
Impact: Telecom: The telecom resources processed by the module are lost as the module is out of service. OAM: No impact on OAM service.		
Remedial action: Reset the module. If the alarm persists, replace the module.		

Table 22-688 IK4009003 - AUTOTEST FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4009003 (2618) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBShelfSpecifics	Severity: critical Specific problem: AUTOTEST FAILURE (637) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that the self test of the module reported an error.		
Impact: Telecom: The telecom resources processed by the module are lost as the module is out of service. OAM: No impact on OAM service.		
Remedial action: Reset the module. If the alarm persists, replace the module.		

Table 22-689 IK4009006 - DHCP FAILURE TO OBTAIN PTP IP ADDRESS

Alarm	Attributes	Applicable major NE releases
Name: IK4009006 (2621) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.MODULE	Severity: major Specific problem: DHCP FAILURE TO OBTAIN PTP IP ADDRESS (638) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates that the eNodeB has failed to receive PTP IP address End-point using DHCP..		
Remedial action: No action is required.		

Table 22-690 IK4009007 - HIGH PACKET DROPPING RATE

Alarm	Attributes	Applicable major NE releases
Name: IK4009007 (2622) Type: securityServiceOrMechanismViolation (92) Package: lte Raised on class: lte.ENBEquipment	Severity: critical Specific problem: HIGH PACKET DROPPING RATE (639) Implicitly cleared: true Default probable cause: floodDetected (1482)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates that the policer controlling the local ingress traffic of the eNB is dropping packets on some flows with an abnormal rate.		
Remedial action: Unknown.		

Table 22-691 IK4009008 - LAST S1 SCTP ASSOCIATION FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4009008 (5232) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: critical Specific problem: LAST S1 SCTP ASSOCIATION FAILURE (640) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates that the MME does not acknowledge the S1 association request from the eNodeB.		
Remedial action: 1. Check IP and SCTP provisioning in eNB and MME. 2. Check network connectivity between eNB and MME.		

Table 22-692 IK4009009 - LAST S1 SCTP ASSOCIATION DOWN

Alarm	Attributes	Applicable major NE releases
Name: IK4009009 (5233) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: critical Specific problem: LAST S1 SCTP ASSOCIATION DOWN (641) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates the last S1 association fault between eNodeB and MME.		
Remedial action: 1. Check IP and SCTP provisioning in eNB and MME. 2. Check network connectivity between eNB and MME.		

Table 22-693 IK4009010 - OAM MF EVENT 2

Alarm	Attributes	Applicable major NE releases
Name: IK4009010 (2623) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: variable Specific problem: OAM MF EVENT 2 (642) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> LR14.1.L
Description: Provisioned for late churn-in. This is a spare event for future use.		
Remedial action: No action is required.		

Table 22-694 IK4009011 - OAM MF EVENT 3

Alarm	Attributes	Applicable major NE releases
Name: IK4009011 (2624) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: variable Specific problem: OAM MF EVENT 3 (643) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> LR14.1.L
Description: Provisioned for late churn-in. This is a spare event for future use.		
Remedial action: No action is required.		

Table 22-695 IK4009012 - MODULE EXTRACTION

Alarm	Attributes	Applicable major NE releases
Name: IK4009012 (2625) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: variable Specific problem: MODULE EXTRACTION (644) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates that the system detected extraction of the module.		
Impact: The resources processed by the module are lost.		
Remedial action: No action is required.		

Table 22-696 IK4009013 - MF EVENT 1

Alarm	Attributes	Applicable major NE releases
Name: IK4009013 (5234) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.MODULE	Severity: variable Specific problem: MF EVENT 1 (645) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR14.1.L
Description: Provisioned for late churn-in. Unspecified MF fault detected.		
Remedial action: No action is required.		

Table 22-697 IK4009014 - MF EVENT 2

Alarm	Attributes	Applicable major NE releases
Name: IK4009014 (5235) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.MODULE	Severity: variable Specific problem: MF EVENT 2 (646) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR14.1.L
Description: Provisioned for late churn-in. Unspecified MF fault detected.		
Remedial action: No action is required.		

Table 22-698 IK4009017 - MF EVENT 3

Alarm	Attributes	Applicable major NE releases
Name: IK4009017 (5236) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.MODULE	Severity: variable Specific problem: MF EVENT 3 (647) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> LR14.1.L
Description: Provisioned for late churn-in. Unspecified MF fault detected.		
Remedial action: No action is required.		

Table 22-699 IK4009018 - SCTP BOARD INIT FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4009018 (2628) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.CBCardSpecifics	Severity: critical Specific problem: SCTP BOARD INIT FAILURE (648) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LT6.0
Description: This alarm indicates the failure to initialize the SCTP access.		
Impact: Telecom: Telecom traffic is not possible. OAM: No impact on OAM service.		
Remedial action: Reset the eNodeB.		

Table 22-700 IK4009019 - S1 SCTP ASSOCIATION FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4009019 (2629) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.MmeTransportLayerAccess	Severity: critical Specific problem: S1 SCTP ASSOCIATION FAILURE (649) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR13.1 LT6.0
Description: This alarm indicates that the MME does not acknowledge the S1 association request from the eNodeB.		
Impact: Telecom: Telecom traffic is not possible. OAM: No impact on OAM service.		
Remedial action: 1. Check IP and SCTP provisioning in eNB and MME. 2. Check network connectivity between eNB and MME.		

Table 22-701 IK4009020 - X2 SCTP ASSOCIATION FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4009020 (2630) Type: equipmentAlarm (3) Package: lte Raised on class: lte.X2TransportLayerAccess	Severity: major Specific problem: X2 SCTP ASSOCIATION FAILURE (650) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that the neighboring eNodeB does not acknowledge the X2 association requests from the eNodeB.		
Impact: Telecom: No impact on the cells. Impacts the handover. OAM: No impact on OAM service.		
Remedial action: Reset the eNodeB.		

Table 22-702 IK4009021 - S1 SCTP ASSOCIATION DOWN

Alarm	Attributes	Applicable major NE releases
Name: IK4009021 (2631) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MmeTransportLayerAccess	Severity: critical Specific problem: S1 SCTP ASSOCIATION DOWN (651) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LT6.0
Description: This alarm indicates a S1 association fault between eNodeB and MME.		
Impact: Telecom: Impacts the telecom service depending on the nature of failure. OAM: No impact on OAM service.		
Remedial action: 1. Check IP and SCTP provisioning in eNB and MME. 2. Check network connectivity between eNB and MME.		

Table 22-703 IK4009022 - X2 SCTP ASSOCIATION DOWN

Alarm	Attributes	Applicable major NE releases
Name: IK4009022 (2632) Type: equipmentAlarm (3) Package: lte Raised on class: lte.X2TransportLayerAccess	Severity: major Specific problem: X2 SCTP ASSOCIATION DOWN (652) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a fault in the X2 association between the eNodeBs.		
Impact: Telecom: No impact on the cells. Impacts the handover. OAM: No impact on OAM service.		
Remedial action: 1. Check IP and SCTP provisioning in eNB and peer eNB. 2. Check network connectivity between eNB and peer eNB.		

Table 22-704 IK4009023 - WALG BOARD INITIALIZATION FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4009023 (2633) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: critical Specific problem: WALG BOARD INITIALIZATION FAILURE (653) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LT6.0
Description: This alarm indicates a failure to initialize the WAL gateway.		
Impact: Telecom: Telecom traffic is not possible. OAM: No impact on OAM service.		
Remedial action: Reset the eNodeB.		

Table 22-705 IK4009024 - OAM INTERFACE CONFIGURATION FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4009024 (2634) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: critical Specific problem: OAM INTERFACE CONFIGURATION FAILURE (654) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates the failure of the IP and Ethernet configuration on the OAM interface.		
Impact: Telecom: Telecom traffic is not possible. OAM: The eNodeB management is not possible.		
Remedial action: Reset the eNodeB. If the alarm persists, contact the next level of support.		

Table 22-706 IK4009025 - TELECOM INTERFACE CONFIGURATION FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4009025 (2635) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: critical Specific problem: TELECOM INTERFACE CONFIGURATION FAILURE (655) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates the failure of the IP and Ethernet configuration on the telecom interface.		
Impact: Telecom: Telecom traffic is not possible. OAM: No impact on OAM service.		
Remedial action: Reset the eNodeB. If the alarm persists, contact the next level of support.		

Table 22-707 IK4009026 - SSH SERVER START FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4009026 (2636) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: critical Specific problem: SSH SERVER START FAILURE (656) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates the failure to start the SSH server.		
Impact: Telecom: No impact on telecom service. OAM: SSH sessions on eNodeB are not possible.		
Remedial action: Reset the eNodeB.		

Table 22-708 IK4009027 - SSH SERVER STOP FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4009027 (2637) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: variable Specific problem: SSH SERVER STOP FAILURE (657) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates the failure to stop the SSH server.		
Impact: Telecom: No impact on telecom service. OAM: No impact on OAM service.		
Remedial action: No action is required.		

Table 22-709 IK4009028 - SNTP CLIENT START FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4009028 (2638) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: SNTP CLIENT START FAILURE (658) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates the failure to start the SNTP client.		
Impact: Telecom: No impact on telecom service. OAM: The eNodeB is not time synchronized with the NTP server.		
Remedial action: Check the network connectivity of NTP server and NTP server address provisioning. If the NTP server is unreachable or the provisioning is incorrect, address those aspects. If all other possible causes have been eliminated, reset the eNB.		

Table 22-710 IK4009029 - SNTP CLIENT STOP FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4009029 (2639) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: variable Specific problem: SNTP CLIENT STOP FAILURE (659) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates the failure to stop the SNTP client.		
Impact: Telecom: No impact on telecom service. OAM: No impact on OAM service.		
Remedial action: No action is required.		

Table 22-711 IK4009030 - WALG INITIALIZATION FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4009030 (5237) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: critical Specific problem: WALG INITIALIZATION FAILURE (660) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR14.1.L
Description: This alarm indicates a failure to initialize the WAL gateway.		
Remedial action: Reset the eNodeB.		

Table 22-712 IK4009032 - DHCP CLIENT START FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4009032 (2640) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: critical Specific problem: DHCP CLIENT START FAILURE (661) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates the failure to start the DHCP client on the eNodeB network interface.		
Impact: Telecom: Telecom traffic is not possible. OAM: The eNodeB management is not possible.		
Remedial action: Reset the eNodeB.		

Table 22-713 IK4009033 - DHCP CLIENT STOP FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4009033 (2641) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: variable Specific problem: DHCP CLIENT STOP FAILURE (662) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates the failure to stop the DHCP client on the eNodeB network interface.		
Impact: Telecom: No impact on telecom service. OAM: No impact on OAM service.		
Remedial action: No action is required.		

Table 22-714 IK4009034 - UNEXPECTED DATA FROM DHCP SERVER

Alarm	Attributes	Applicable major NE releases
Name: IK4009034 (2642) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: UNEXPECTED DATA FROM DHCP SERVER (663) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that the lease time offered by the DHCP server is different from the lease time requested by the DHCP client.		
Impact: Telecom: No impact on telecom service. OAM: No impact on OAM service.		
Remedial action: Configure the DHCP server with an infinite lease time.		

Table 22-715 IK4009035 - INCONSISTENT DATA FROM DHCP SERVER

Alarm	Attributes	Applicable major NE releases
Name: IK4009035 (2643) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.CBCardSpecifics	Severity: critical Specific problem: INCONSISTENT DATA FROM DHCP SERVER (664) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LT6.0
Description: This alarm indicates that the eNodeB does not support the modified IP address offered by the DHCP server.		
Impact: Telecom: No impact on telecom service. OAM: The eNodeB uses the old IP address. eNodeB management is still possible.		
Remedial action: Reset the eNodeB.		

Table 22-716 IK4009036 - ETHERNET TRANSPORT FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4009036 (2644) Type: communicationsAlarm (4) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: ETHERNET TRANSPORT FAILURE (665) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates an interface error due to the counters exceeding the configured threshold.		
Impact: Telecom: The performance of the telecom service is low. OAM: The performance of the OAM service is low.		
Remedial action: Check the network status and cabling if possible. If the alarm persists, contact the next level support.		

Table 22-717 IK4009037 - NO RESPONSE TO ECHO REQUEST ON S1

Alarm	Attributes	Applicable major NE releases
Name: IK4009037 (2645) Type: communicationsAlarm (4) Package: lte Raised on class: lte.MmeAccess	Severity: critical Specific problem: NO RESPONSE TO ECHO REQUEST ON S1 (666) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LT6.0
Description: This alarm indicates a S1 fault following no response to a GTP Echo request. The alarm is triggered when the eNodeB does not receive a response to a GTP echo request message sent on a S1 interface towards a Serving Gateway. The alarm is triggered to signal a S1 failure when there are several SGW because of several operators with their own SGW or because an operator has several SGW. It is not possible to identify the failed S1 link.		
Impact: Telecom: The performance of the telecom service is low. OAM: No impact on OAM service.		
Remedial action: Check for connectivity and verify the GTP provisioning.		

Table 22-718 IK4009041 - NO CONTACT TO BOARD

Alarm	Attributes	Applicable major NE releases
Name: IK4009041 (2648) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: NO CONTACT TO BOARD (667) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a failure in communication with the board.		
Impact: Telecom: The performance of the telecom service is low. OAM: No impact on OAM service.		
Remedial action: Check the board connectivity.		

Table 22-719 IK4009042 - NO RESPONSE TO ECHO REQUEST ON S1

Alarm	Attributes	Applicable major NE releases
Name: IK4009042 (2649) Type: communicationsAlarm (4) Package: lte Raised on class: lte.MmeAccess	Severity: major Specific problem: NO RESPONSE TO ECHO REQUEST ON S1 (666) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a S1 fault due to the GTP Echo request.		
Impact: Telecom: The performance of the telecom service is low. OAM: No impact on OAM service.		
Remedial action: Check for connectivity and verify the GTP provisioning.		

Table 22-720 IK4009044 - S1 SCTP ASSOCIATION FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4009044 (2650) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MmeTransportLayerAccess	Severity: major Specific problem: S1 SCTP ASSOCIATION FAILURE (649) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that the MME does not acknowledge the S1 association request from the eNodeB.		
Impact: Telecom: Telecom traffic is not possible. OAM: No impact on OAM service.		
Remedial action: 1. Check IP and SCTP provisioning in eNB and MME. 2. Check network connectivity between eNB and MME.		

Table 22-721 IK4009046 - S1 SCTP ASSOCIATION DOWN

Alarm	Attributes	Applicable major NE releases
Name: IK4009046 (2651) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MmeTransportLayerAccess	Severity: major Specific problem: S1 SCTP ASSOCIATION DOWN (651) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a S1 association fault between eNodeB and MME.		
Impact: Telecom: Impacts the telecom service depending on the nature of failure. OAM: No impact on OAM service.		
Remedial action: 1. Check IP and SCTP provisioning in eNB and MME. 2. Check network connectivity between eNB and MME.		

Table 22-722 IK4009048 - DHCP LEASE LOST

Alarm	Attributes	Applicable major NE releases
Name: IK4009048 (2652) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: variable Specific problem: DHCP LEASE LOST (668) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates that the DHCP client lost the lease of the DHCP server.		
Impact: Telecom: No impact on telecom service. OAM: No impact on OAM service.		
Remedial action: No action is required.		

Table 22-723 IK4009049 - DHCP CLIENT LEASE FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4009049 (2653) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: DHCP CLIENT LEASE FAILURE (669) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates the failure of the DHCP client to obtain the lease from the DHCP server.		
Impact: Telecom: Telecom traffic is not possible. OAM: The eNodeB backhaul interface is not configured.		
Remedial action: Check for connectivity. Check for DHCP server and network configurations.		

Table 22-724 IK4009050 - IP LOOPBACK ACTIVE

Alarm	Attributes	Applicable major NE releases
Name: IK4009050 (2654) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: warning Specific problem: IP LOOPBACK ACTIVE (670) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that the IP loopback is activated.		
Impact: Telecom: Telecom traffic is not possible. OAM: The maintenance is restricted to local terminal.		
Remedial action: Call the next level of support.		

Table 22-725 IK4009051 - IP LOOPBACK MANUAL TERMINATION

Alarm	Attributes	Applicable major NE releases
Name: IK4009051 (2655) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: variable Specific problem: IP LOOPBACK MANUAL TERMINATION (671) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates that the IP loopback is manually stopped.		
Impact: Telecom: No impact on telecom service. OAM: No impact on OAM service.		
Remedial action: No action is required.		

Table 22-726 IK4009052 - IP LOOPBACK INACTIVITY PERIOD TERMINATION

Alarm	Attributes	Applicable major NE releases
Name: IK4009052 (2656) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: variable Specific problem: IP LOOPBACK INACTIVITY PERIOD TERMINATION (672) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates that the IP loopback stopped automatically due to inactivity for certain period.		
Impact: Telecom: No impact on telecom service. OAM: No impact on OAM service.		
Remedial action: No action is required.		

Table 22-727 IK4009053 - IP LOOPBACK GUARD TIMER TERMINATION

Alarm	Attributes	Applicable major NE releases
Name: IK4009053 (2657) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: variable Specific problem: IP LOOPBACK GUARD TIMER TERMINATION (673) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates that the IP loopback stopped automatically due to expiry of the guard timer.		
Impact: Telecom: No impact on telecom service. OAM: No impact on OAM service.		
Remedial action: No action is required.		

Table 22-728 IK4009054 - MODULE EXTRACTION

Alarm	Attributes	Applicable major NE releases
Name: IK4009054 (2658) Type: equipmentAlarm (3) Package: lte Raised on class: lte.AMR	Severity: variable Specific problem: MODULE EXTRACTION (644) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates that the system detected extraction of the module.		
Impact: The resources processed by the module are lost.		
Remedial action: No action is required.		

Table 22-729 IK4009055 - MODULE EXTRACTION

Alarm	Attributes	Applicable major NE releases
Name: IK4009055 (2659) Type: equipmentAlarm (3) Package: lte Raised on class: lte.TmaAidEntry	Severity: variable Specific problem: MODULE EXTRACTION (644) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates that the system detected extraction of the module.		
Impact: The resources processed by the module are lost.		
Remedial action: No action is required.		

Table 22-730 IK4009056 - MODULE EXTRACTION

Alarm	Attributes	Applicable major NE releases
Name: IK4009056 (2660) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RetAidEntry	Severity: variable Specific problem: MODULE EXTRACTION (644) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates that the system detected extraction of the module.		
Impact: The resources processed by the module are lost.		
Remedial action: No action is required.		

Table 22-731 IK4009057 - NO CONTACT TO BOARD

Alarm	Attributes	Applicable major NE releases
Name: IK4009057 (2661) Type: equipmentAlarm (3) Package: lte Raised on class: lte.AMR	Severity: major Specific problem: NO CONTACT TO BOARD (667) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a failure in communication with the board.		
Impact: Telecom: The performance of the telecom service is low. OAM: No impact on OAM service.		
Remedial action: Check for connectivity with the board.		

Table 22-732 IK4009058 - NO CONTACT TO BOARD

Alarm	Attributes	Applicable major NE releases
Name: IK4009058 (2662) Type: equipmentAlarm (3) Package: lte Raised on class: lte.TmaAidEntry	Severity: major Specific problem: NO CONTACT TO BOARD (667) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a failure in communication with the board.		
Impact: Telecom: The performance of the telecom service is low. OAM: No impact on OAM service.		
Remedial action: Check for connectivity with the board.		

Table 22-733 IK4009059 - NO CONTACT TO BOARD

Alarm	Attributes	Applicable major NE releases
Name: IK4009059 (2663) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RetAidEntry	Severity: major Specific problem: NO CONTACT TO BOARD (667) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a failure in communication with the board.		
Impact: Telecom: The performance of the telecom service is low. OAM: No impact on OAM service.		
Remedial action: Check for connectivity with the board.		

Table 22-734 IK4009060 - OAM AMR FAULT 1

Alarm	Attributes	Applicable major NE releases
Name: IK4009060 (3118) Type: equipmentAlarm (3) Package: lte Raised on class: lte.AMR	Severity: minor Specific problem: OAM AMR FAULT 1 (674) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. This is a spare alarm for future use.		
Impact: Unknown.		
Remedial action: Call the next level of support.		

Table 22-735 IK4009061 - OAM AMR FAULT 2

Alarm	Attributes	Applicable major NE releases
Name: IK4009061 (3119) Type: equipmentAlarm (3) Package: lte Raised on class: lte.AMR	Severity: minor Specific problem: OAM AMR FAULT 2 (675) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. This is a spare alarm for future use.		
Impact: Unknown.		
Remedial action: Call the next level of support.		

Table 22-736 IK4009062 - OAM AMR FAULT 3

Alarm	Attributes	Applicable major NE releases
Name: IK4009062 (3120) Type: equipmentAlarm (3) Package: lte Raised on class: lte.AMR	Severity: minor Specific problem: OAM AMR FAULT 3 (676) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. This is a spare alarm for future use.		
Impact: Unknown.		
Remedial action: Call the next level of support.		

Table 22-737 IK4009063 - OAM AMR EVENT 1

Alarm	Attributes	Applicable major NE releases
Name: IK4009063 (3121) Type: equipmentAlarm (3) Package: lte Raised on class: lte.AMR	Severity: variable Specific problem: OAM AMR EVENT 1 (677) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. This is a spare event for future use.		
Impact: Unknown.		
Remedial action: No action is required.		

Table 22-738 IK4009064 - OAM AMR EVENT 2

Alarm	Attributes	Applicable major NE releases
Name: IK4009064 (3122) Type: equipmentAlarm (3) Package: lte Raised on class: lte.AMR	Severity: variable Specific problem: OAM AMR EVENT 2 (678) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. This is a spare event for future use.		
Impact: Unknown.		
Remedial action: No action is required.		

Table 22-739 IK4009065 - OAM AMR EVENT 3

Alarm	Attributes	Applicable major NE releases
Name: IK4009065 (3123) Type: equipmentAlarm (3) Package: lte Raised on class: lte.AMR	Severity: variable Specific problem: OAM AMR EVENT 3 (679) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. This is a spare event for future use.		
Impact: Unknown.		
Remedial action: No action is required.		

Table 22-740 IK4009066 - OAM BB FAULT 1

Alarm	Attributes	Applicable major NE releases
Name: IK4009066 (3124) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: minor Specific problem: OAM BB FAULT 1 (680) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. This is a spare alarm for future use.		
Impact: Unknown.		
Remedial action: Call the next level of support.		

Table 22-741 IK4009067 - OAM BB FAULT 2

Alarm	Attributes	Applicable major NE releases
Name: IK4009067 (3125) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: minor Specific problem: OAM BB FAULT 2 (681) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. This is a spare alarm for future use.		
Impact: Unknown.		
Remedial action: Call the next level of support.		

Table 22-742 IK4009068 - OAM BB FAULT 3

Alarm	Attributes	Applicable major NE releases
Name: IK4009068 (3126) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: minor Specific problem: OAM BB FAULT 3 (682) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. This is a spare alarm for future use.		
Impact: Unknown.		
Remedial action: Call the next level of support.		

Table 22-743 IK4009069 - OAM BB EVENT 1

Alarm	Attributes	Applicable major NE releases
Name: IK4009069 (3127) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: variable Specific problem: OAM BB EVENT 1 (683) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LT6.0
Description: This is a spare event for future use.		
Impact: Unknown.		
Remedial action: Unknown.		

Table 22-744 IK4009070 - OAM BB EVENT 2

Alarm	Attributes	Applicable major NE releases
Name: IK4009070 (3128) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: variable Specific problem: OAM BB EVENT 2 (684) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. This is a spare event for future use.		
Impact: Unknown.		
Remedial action: No action is required.		

Table 22-745 IK4009071 - OAM BB EVENT 3

Alarm	Attributes	Applicable major NE releases
Name: IK4009071 (3129) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: variable Specific problem: OAM BB EVENT 3 (685) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. This is a spare event for future use.		
Impact: Unknown.		
Remedial action: No action is required.		

Table 22-746 IK4009072 - OAM CB FAULT 1

Alarm	Attributes	Applicable major NE releases
Name: IK4009072 (3130) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.CBCardSpecifics	Severity: minor Specific problem: OAM CB FAULT 1 (686) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LT6.0
Description: This spare was used in LA4.0 for 'HW SW CAPABILITY CHECK ANTENNA POR T' (4305091). A new spare alarm (4009163) is replacing this spare in LA5.0 for future use.		
Impact: Unknown.		
Remedial action: Call the next level of support.		

Table 22-747 IK4009073 - OAM CB FAULT 2

Alarm	Attributes	Applicable major NE releases
Name: IK4009073 (3131) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.CBCardSpecifics	Severity: minor Specific problem: OAM CB FAULT 2 (687) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. This is a spare alarm for future use.		
Impact: Unknown.		
Remedial action: Call the next level of support.		

Table 22-748 IK4009074 - OAM CB FAULT 3

Alarm	Attributes	Applicable major NE releases
Name: IK4009074 (3132) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.CBCardSpecifics	Severity: minor Specific problem: OAM CB FAULT 3 (688) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. This is a spare alarm for future use.		
Impact: Unknown.		
Remedial action: Call the next level of support.		

Table 22-749 IK4009075 - OAM CB EVENT 1

Alarm	Attributes	Applicable major NE releases
Name: IK4009075 (3133) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: variable Specific problem: OAM CB EVENT 1 (689) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. This is a spare event for future use.		
Impact: Unknown.		
Remedial action: No action is required.		

Table 22-750 IK4009076 - OAM CB EVENT 2

Alarm	Attributes	Applicable major NE releases
Name: IK4009076 (3134) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: variable Specific problem: OAM CB EVENT 2 (690) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. This is a spare event for future use.		
Impact: Unknown.		
Remedial action: No action is required.		

Table 22-751 IK4009077 - OAM CB EVENT 3

Alarm	Attributes	Applicable major NE releases
Name: IK4009077 (3135) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: variable Specific problem: OAM CB EVENT 3 (691) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. This is a spare event for future use.		
Impact: Unknown.		
Remedial action: No action is required.		

Table 22-752 IK4009078 - OAM DBU FAULT 1

Alarm	Attributes	Applicable major NE releases
Name: IK4009078 (3136) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBSelfSpecifics	Severity: minor Specific problem: OAM DBU FAULT 1 (692) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. This is a spare alarm for future use.		
Impact: Unknown.		
Remedial action: Call the next level of support.		

Table 22-753 IK4009079 - OAM DBU FAULT 2

Alarm	Attributes	Applicable major NE releases
Name: IK4009079 (3137) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBSelfSpecifics	Severity: minor Specific problem: OAM DBU FAULT 2 (693) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. This is a spare alarm for future use.		
Impact: Unknown.		
Remedial action: Call the next level of support.		

Table 22-754 IK4009080 - OAM DBU FAULT 3

Alarm	Attributes	Applicable major NE releases
Name: IK4009080 (3138) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBSelfSpecifics	Severity: minor Specific problem: OAM DBU FAULT 3 (694) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. This is a spare alarm for future use.		
Impact: Unknown.		
Remedial action: Call the next level of support.		

Table 22-755 IK4009081 - OAM DBU EVENT 1

Alarm	Attributes	Applicable major NE releases
Name: IK4009081 (3139) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBSelfSpecifics	Severity: variable Specific problem: OAM DBU EVENT 1 (695) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. This is a spare event for future use.		
Impact: Unknown.		
Remedial action: No action is required.		

Table 22-756 IK4009082 - OAM DBU EVENT 2

Alarm	Attributes	Applicable major NE releases
Name: IK4009082 (3140) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBSelfSpecifics	Severity: variable Specific problem: OAM DBU EVENT 2 (696) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. This is a spare event for future use.		
Impact: Unknown.		
Remedial action: No action is required.		

Table 22-757 IK4009083 - OAM DBU EVENT 3

Alarm	Attributes	Applicable major NE releases
Name: IK4009083 (3141) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBSelfSpecifics	Severity: variable Specific problem: OAM DBU EVENT 3 (697) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. This is a spare event for future use.		
Impact: Unknown.		
Remedial action: No action is required.		

Table 22-758 IK4009084 - OAM ENB FAULT 1

Alarm	Attributes	Applicable major NE releases
Name: IK4009084 (3142) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: minor Specific problem: OAM ENB FAULT 1 (698) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LT6.0
Description: This is a spare alarm for future use.		
Impact: Unknown.		
Remedial action: Call the next level of support.		

Table 22-759 IK4009085 - OAM ENB FAULT 2

Alarm	Attributes	Applicable major NE releases
Name: IK4009085 (3143) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: minor Specific problem: OAM ENB FAULT 2 (699) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LT6.0
Description: This spare alarm was used in LA4.0 for 'DATA MIGRATION NOT POSSIBLE' alarm ID 4201009.		
Impact: Unknown.		
Remedial action: Call the next level of support.		

Table 22-760 IK4009086 - OAM ENB FAULT 3

Alarm	Attributes	Applicable major NE releases
Name: IK4009086 (3144) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: minor Specific problem: OAM ENB FAULT 3 (700) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LT6.0
Description: This is a spare alarm for future use.		
Impact: Unknown.		
Remedial action: Call the next level of support.		

Table 22-761 IK4009087 - OAM ENB EVENT 1

Alarm	Attributes	Applicable major NE releases
Name: IK4009087 (3145) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: OAM ENB EVENT 1 (701) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. This is a spare event for future use.		
Impact: Unknown.		
Remedial action: No action is required.		

Table 22-762 IK4009088 - OAM ENB EVENT 2

Alarm	Attributes	Applicable major NE releases
Name: IK4009088 (3146) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: OAM ENB EVENT 2 (702) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. This is a spare event for future use.		
Impact: Unknown.		
Remedial action: No action is required.		

Table 22-763 IK4009089 - OAM ENB EVENT 3

Alarm	Attributes	Applicable major NE releases
Name: IK4009089 (3147) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: OAM ENB EVENT 3 (703) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. This is a spare event for future use.		
Impact: Unknown.		
Remedial action: No action is required.		

Table 22-764 IK4009090 - OAM TMA FAULT 1

Alarm	Attributes	Applicable major NE releases
Name: IK4009090 (3148) Type: equipmentAlarm (3) Package: lte Raised on class: lte.TmaAldEntry	Severity: minor Specific problem: OAM TMA FAULT 1 (704) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. This is a spare alarm for future use.		
Impact: Unknown.		
Remedial action: Call the next level of support.		

Table 22-765 IK4009091 - OAM TMA FAULT 2

Alarm	Attributes	Applicable major NE releases
Name: IK4009091 (3149) Type: equipmentAlarm (3) Package: lte Raised on class: lte.TmaAldEntry	Severity: minor Specific problem: OAM TMA FAULT 2 (705) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. This is a spare alarm for future use.		
Impact: Unknown.		
Remedial action: Call the next level of support.		

Table 22-766 IK4009092 - OAM TMA FAULT 3

Alarm	Attributes	Applicable major NE releases
Name: IK4009092 (3150) Type: equipmentAlarm (3) Package: lte Raised on class: lte.TmaAldEntry	Severity: minor Specific problem: OAM TMA FAULT 3 (706) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. This is a spare alarm for future use.		
Impact: Unknown.		
Remedial action: Call the next level of support.		

Table 22-767 IK4009093 - OAM TMA EVENT 1

Alarm	Attributes	Applicable major NE releases
Name: IK4009093 (3151) Type: equipmentAlarm (3) Package: lte Raised on class: lte.TmaAldEntry	Severity: variable Specific problem: OAM TMA EVENT 1 (707) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. This is a spare event for future use.		
Impact: Unknown.		
Remedial action: No action is required.		

Table 22-768 IK4009094 - OAM TMA EVENT 2

Alarm	Attributes	Applicable major NE releases
Name: IK4009094 (3152) Type: equipmentAlarm (3) Package: lte Raised on class: lte.TmaAldEntry	Severity: variable Specific problem: OAM TMA EVENT 2 (708) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. This is a spare event for future use.		
Impact: Unknown.		
Remedial action: No action is required.		

Table 22-769 IK4009095 - OAM TMA EVENT 3

Alarm	Attributes	Applicable major NE releases
Name: IK4009095 (3153) Type: equipmentAlarm (3) Package: lte Raised on class: lte.TmaAldEntry	Severity: variable Specific problem: OAM TMA EVENT 3 (709) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. This is a spare event for future use.		
Impact: Unknown.		
Remedial action: No action is required.		

Table 22-770 IK4009096 - OAM RET FAULT 1

Alarm	Attributes	Applicable major NE releases
Name: IK4009096 (3154) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.RetAIdEntry	Severity: minor Specific problem: OAM RET FAULT 1 (710) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. This is a spare alarm for future use.		
Impact: Unknown.		
Remedial action: Call the next level of support.		

Table 22-771 IK4009097 - OAM RET FAULT 2

Alarm	Attributes	Applicable major NE releases
Name: IK4009097 (3155) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.RetAIdEntry	Severity: minor Specific problem: OAM RET FAULT 2 (711) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. This is a spare alarm for future use.		
Impact: Unknown.		
Remedial action: Call the next level of support.		

Table 22-772 IK4009098 - OAM RET FAULT 3

Alarm	Attributes	Applicable major NE releases
Name: IK4009098 (3156) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.RetAIdEntry	Severity: minor Specific problem: OAM RET FAULT 3 (712) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. This is a spare alarm for future use.		
Impact: Unknown.		
Remedial action: Call the next level of support.		

Table 22-773 IK4009099 - OAM RET EVENT 1

Alarm	Attributes	Applicable major NE releases
Name: IK4009099 (3157) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RetAldEntry	Severity: variable Specific problem: OAM RET EVENT 1 (713) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. This is a spare event for future use.		
Impact: Unknown.		
Remedial action: No action is required.		

Table 22-774 IK4009100 - OAM RET EVENT 2

Alarm	Attributes	Applicable major NE releases
Name: IK4009100 (3158) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RetAldEntry	Severity: variable Specific problem: OAM RET EVENT 2 (714) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. This is a spare event for future use.		
Impact: Unknown.		
Remedial action: No action is required.		

Table 22-775 IK4009101 - OAM RET EVENT 3

Alarm	Attributes	Applicable major NE releases
Name: IK4009101 (3159) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RetAldEntry	Severity: variable Specific problem: OAM RET EVENT 3 (715) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. This is a spare event for future use.		
Impact: Unknown.		
Remedial action: No action is required.		

Table 22-776 IK4009102 - OAM S1 FAULT 1

Alarm	Attributes	Applicable major NE releases
Name: IK4009102 (3160) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MmeAccess	Severity: minor Specific problem: OAM S1 FAULT 1 (716) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. This is a spare alarm for future use.		
Impact: Unknown.		
Remedial action: Call the next level of support.		

Table 22-777 IK4009103 - OAM S1 FAULT 2

Alarm	Attributes	Applicable major NE releases
Name: IK4009103 (3161) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MmeAccess	Severity: minor Specific problem: OAM S1 FAULT 2 (717) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. This is a spare alarm for future use.		
Impact: Unknown.		
Remedial action: Call the next level of support.		

Table 22-778 IK4009104 - OAM S1 FAULT 3

Alarm	Attributes	Applicable major NE releases
Name: IK4009104 (3162) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MmeAccess	Severity: minor Specific problem: OAM S1 FAULT 3 (718) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. This is a spare alarm for future use.		
Impact: Unknown.		
Remedial action: Call the next level of support.		

Table 22-779 IK4009105 - OAM S1 EVENT 1

Alarm	Attributes	Applicable major NE releases
Name: IK4009105 (3163) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MmeAccess	Severity: variable Specific problem: OAM S1 EVENT 1 (719) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. This is a spare event for future use.		
Impact: Unknown.		
Remedial action: No action is required.		

Table 22-780 IK4009106 - OAM S1 EVENT 2

Alarm	Attributes	Applicable major NE releases
Name: IK4009106 (3164) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MmeAccess	Severity: variable Specific problem: OAM S1 EVENT 2 (720) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. This is a spare event for future use.		
Impact: Unknown.		
Remedial action: No action is required.		

Table 22-781 IK4009107 - OAM S1 EVENT 3

Alarm	Attributes	Applicable major NE releases
Name: IK4009107 (3165) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MmeAccess	Severity: variable Specific problem: OAM S1 EVENT 3 (721) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. This is a spare event for future use.		
Impact: Unknown.		
Remedial action: No action is required.		

Table 22-782 IK4009108 - OAM S1_TRANS FAULT 1

Alarm	Attributes	Applicable major NE releases
Name: IK4009108 (3166) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MmeTransportLayerAccess	Severity: minor Specific problem: OAM S1_TRANS FAULT 1 (722) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. This is a spare alarm for future use.		
Impact: Unknown.		
Remedial action: Call the next level of support.		

Table 22-783 IK4009109 - OAM S1_TRANS FAULT 2

Alarm	Attributes	Applicable major NE releases
Name: IK4009109 (3167) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MmeTransportLayerAccess	Severity: minor Specific problem: OAM S1_TRANS FAULT 2 (723) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. This is a spare alarm for future use.		
Impact: Unknown.		
Remedial action: Call the next level of support.		

Table 22-784 IK4009110 - OAM S1_TRANS FAULT 3

Alarm	Attributes	Applicable major NE releases
Name: IK4009110 (3168) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MmeTransportLayerAccess	Severity: minor Specific problem: OAM S1_TRANS FAULT 3 (724) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. This is a spare alarm for future use.		
Impact: Unknown.		
Remedial action: Call the next level of support.		

Table 22-785 IK4009111 - OAM S1_TRANS EVENT 1

Alarm	Attributes	Applicable major NE releases
Name: IK4009111 (3169) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MmeTransportLayerAccess	Severity: variable Specific problem: OAM S1_TRANS EVENT 1 (725) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. This is a spare event for future use.		
Impact: Unknown.		
Remedial action: No action is required.		

Table 22-786 IK4009112 - OAM S1_TRANS EVENT 2

Alarm	Attributes	Applicable major NE releases
Name: IK4009112 (3170) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MmeTransportLayerAccess	Severity: variable Specific problem: OAM S1_TRANS EVENT 2 (726) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. This is a spare event for future use.		
Impact: Unknown.		
Remedial action: No action is required.		

Table 22-787 IK4009113 - OAM S1_TRANS EVENT 3

Alarm	Attributes	Applicable major NE releases
Name: IK4009113 (3171) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MmeTransportLayerAccess	Severity: variable Specific problem: OAM S1_TRANS EVENT 3 (727) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. This is a spare event for future use.		
Impact: Unknown.		
Remedial action: No action is required.		

Table 22-788 IK4009114 - OAM X2 FAULT 1

Alarm	Attributes	Applicable major NE releases
Name: IK4009114 (3172) Type: equipmentAlarm (3) Package: lte Raised on class: lte.X2Access	Severity: minor Specific problem: OAM X2 FAULT 1 (728) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. This is a spare alarm for future use.		
Impact: Unknown.		
Remedial action: Call the next level of support.		

Table 22-789 IK4009115 - OAM X2 FAULT 2

Alarm	Attributes	Applicable major NE releases
Name: IK4009115 (3173) Type: equipmentAlarm (3) Package: lte Raised on class: lte.X2Access	Severity: minor Specific problem: OAM X2 FAULT 2 (729) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. This is a spare alarm for future use.		
Impact: Unknown.		
Remedial action: Call the next level of support.		

Table 22-790 IK4009116 - OAM X2 FAULT 3

Alarm	Attributes	Applicable major NE releases
Name: IK4009116 (3174) Type: equipmentAlarm (3) Package: lte Raised on class: lte.X2Access	Severity: minor Specific problem: OAM X2 FAULT 3 (730) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. This is a spare alarm for future use.		
Impact: Unknown.		
Remedial action: Call the next level of support.		

Table 22-791 IK4009117 - OAM X2 EVENT 1

Alarm	Attributes	Applicable major NE releases
Name: IK4009117 (3175) Type: equipmentAlarm (3) Package: lte Raised on class: lte.X2Access	Severity: variable Specific problem: OAM X2 EVENT 1 (731) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. This is a spare event for future use.		
Impact: Unknown.		
Remedial action: No action is required.		

Table 22-792 IK4009118 - OAM X2 EVENT 2

Alarm	Attributes	Applicable major NE releases
Name: IK4009118 (3176) Type: equipmentAlarm (3) Package: lte Raised on class: lte.X2Access	Severity: variable Specific problem: OAM X2 EVENT 2 (732) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. This is a spare event for future use.		
Impact: Unknown.		
Remedial action: No action is required.		

Table 22-793 IK4009119 - OAM X2 EVENT 3

Alarm	Attributes	Applicable major NE releases
Name: IK4009119 (3177) Type: equipmentAlarm (3) Package: lte Raised on class: lte.X2Access	Severity: variable Specific problem: OAM X2 EVENT 3 (733) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. This is a spare event for future use.		
Impact: Unknown.		
Remedial action: No action is required.		

Table 22-794 IK4009120 - OAM X2_TRANS FAULT 1

Alarm	Attributes	Applicable major NE releases
Name: IK4009120 (3178) Type: equipmentAlarm (3) Package: lte Raised on class: lte.X2TransportLayerAccess	Severity: minor Specific problem: OAM X2_TRANS FAULT 1 (734) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. This is a spare alarm for future use.		
Impact: Unknown.		
Remedial action: Call the next level of support.		

Table 22-795 IK4009121 - OAM X2_TRANS FAULT 2

Alarm	Attributes	Applicable major NE releases
Name: IK4009121 (3179) Type: equipmentAlarm (3) Package: lte Raised on class: lte.X2TransportLayerAccess	Severity: minor Specific problem: OAM X2_TRANS FAULT 2 (735) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. This is a spare alarm for future use.		
Impact: Unknown.		
Remedial action: Call the next level of support.		

Table 22-796 IK4009122 - OAM X2_TRANS FAULT 3

Alarm	Attributes	Applicable major NE releases
Name: IK4009122 (3180) Type: equipmentAlarm (3) Package: lte Raised on class: lte.X2TransportLayerAccess	Severity: minor Specific problem: OAM X2_TRANS FAULT 3 (736) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. This is a spare alarm for future use.		
Impact: Unknown.		
Remedial action: Call the next level of support.		

Table 22-797 IK4009123 - OAM X2_TRANS EVENT 1

Alarm	Attributes	Applicable major NE releases
Name: IK4009123 (3181) Type: equipmentAlarm (3) Package: lte Raised on class: lte.X2TransportLayerAccess	Severity: variable Specific problem: OAM X2_TRANS EVENT 1 (737) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. This is a spare event for future use.		
Impact: Unknown.		
Remedial action: No action is required.		

Table 22-798 IK4009124 - OAM X2_TRANS EVENT 2

Alarm	Attributes	Applicable major NE releases
Name: IK4009124 (3182) Type: equipmentAlarm (3) Package: lte Raised on class: lte.X2TransportLayerAccess	Severity: variable Specific problem: OAM X2_TRANS EVENT 2 (738) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. This is a spare event for future use.		
Impact: Unknown.		
Remedial action: No action is required.		

Table 22-799 IK4009125 - OAM X2_TRANS EVENT 3

Alarm	Attributes	Applicable major NE releases
Name: IK4009125 (3183) Type: equipmentAlarm (3) Package: lte Raised on class: lte.X2TransportLayerAccess	Severity: variable Specific problem: OAM X2_TRANS EVENT 3 (739) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. This is a spare event for future use.		
Impact: Unknown.		
Remedial action: No action is required.		

Table 22-800 IK4009126 - OAM RRH FAULT 1

Alarm	Attributes	Applicable major NE releases
Name: IK4009126 (3184) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RRH	Severity: minor Specific problem: OAM RRH FAULT 1 (740) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LT6.0
Description: This spare alarm was used in LA4.0 for 'CONFIGURATION DATA MISMATCH VERSUS HARDWARE' (4305088)-RRH and 'CONFIGURATION DATA MISMATCH VERSUS HARDWAREA' (4305089)-TRDU. A new spare (4009160) is replacing this spare LA5 for future use.		
Impact: Unknown.		
Remedial action: Call the next level of support.		

Table 22-801 IK4009127 - OAM RRH FAULT 2

Alarm	Attributes	Applicable major NE releases
Name: IK4009127 (3185) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RRH	Severity: minor Specific problem: OAM RRH FAULT 2 (741) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LT6.0
Description: This spare alarm was used in LA4.0 for 'CONFIGURATION DATA MISMATCH VERSUS HARDWARE' (4305090)-ANTENNA_POR T. A new spare (4009161) is replacing this spare LA5 for future use.		
Impact: Unknown.		
Remedial action: Call the next level of support.		

Table 22-802 IK4009128 - OAM RRH FAULT 3

Alarm	Attributes	Applicable major NE releases
Name: IK4009128 (3186) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RRH	Severity: minor Specific problem: OAM RRH FAULT 3 (742) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LT6.0
Description: This spare alarm was used in LA4.0 for 'HW SW CAPABILITY CHECK ANTENNA POR TA' (4305091). A new spare (4009162) is replacing this spare LA5 for future use.		
Impact: Unknown.		
Remedial action: Call the next level of support.		

Table 22-803 IK4009129 - OAM RRH EVENT 1

Alarm	Attributes	Applicable major NE releases
Name: IK4009129 (3187) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RRH	Severity: variable Specific problem: OAM RRH EVENT 1 (743) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. This is a spare event for future use.		
Impact: Unknown.		
Remedial action: No action is required.		

Table 22-804 IK4009130 - OAM RRH EVENT 2

Alarm	Attributes	Applicable major NE releases
Name: IK4009130 (3188) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RRH	Severity: variable Specific problem: OAM RRH EVENT 2 (744) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. This is a spare event for future use.		
Impact: Unknown.		
Remedial action: No action is required.		

Table 22-805 IK4009131 - OAM RRH EVENT 3

Alarm	Attributes	Applicable major NE releases
Name: IK4009131 (3189) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RRH	Severity: variable Specific problem: OAM RRH EVENT 3 (745) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. This is a spare event for future use.		
Impact: Unknown.		
Remedial action: No action is required.		

Table 22-806 IK4009132 - OAM TRDU FAULT 1

Alarm	Attributes	Applicable major NE releases
Name: IK4009132 (3190) Type: equipmentAlarm (3) Package: lte Raised on class: lte.TRDU	Severity: minor Specific problem: OAM TRDU FAULT 1 (746) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. This is a spare alarm for future use.		
Impact: Unknown.		
Remedial action: Call the next level of support.		

Table 22-807 IK4009133 - OAM TRDU FAULT 2

Alarm	Attributes	Applicable major NE releases
Name: IK4009133 (3191) Type: equipmentAlarm (3) Package: lte Raised on class: lte.TRDU	Severity: minor Specific problem: OAM TRDU FAULT 2 (747) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. This is a spare alarm for future use.		
Impact: Unknown.		
Remedial action: Call the next level of support.		

Table 22-808 IK4009134 - OAM TRDU FAULT 3

Alarm	Attributes	Applicable major NE releases
Name: IK4009134 (3192) Type: equipmentAlarm (3) Package: lte Raised on class: lte.TRDU	Severity: minor Specific problem: OAM TRDU FAULT 3 (748) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. This is a spare alarm for future use.		
Impact: Unknown.		
Remedial action: Call the next level of support.		

Table 22-809 IK4009135 - OAM TRDU EVENT 1

Alarm	Attributes	Applicable major NE releases
Name: IK4009135 (3193) Type: equipmentAlarm (3) Package: lte Raised on class: lte.TRDU	Severity: variable Specific problem: OAM TRDU EVENT 1 (749) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. This is a spare event for future use.		
Impact: Unknown.		
Remedial action: No action is required.		

Table 22-810 IK4009136 - OAM TRDU EVENT 2

Alarm	Attributes	Applicable major NE releases
Name: IK4009136 (3194) Type: equipmentAlarm (3) Package: lte Raised on class: lte.TRDU	Severity: variable Specific problem: OAM TRDU EVENT 2 (750) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. This is a spare event for future use.		
Impact: Unknown.		
Remedial action: No action is required.		

Table 22-811 IK4009137 - OAM TRDU EVENT 3

Alarm	Attributes	Applicable major NE releases
Name: IK4009137 (3195) Type: equipmentAlarm (3) Package: lte Raised on class: lte.TRDU	Severity: variable Specific problem: OAM TRDU EVENT 3 (751) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. This is a spare event for future use.		
Impact: Unknown.		
Remedial action: No action is required.		

Table 22-812 IK4009138 - NO CONTACT TO BOARD

Alarm	Attributes	Applicable major NE releases
Name: IK4009138 (3196) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RRH	Severity: major Specific problem: NO CONTACT TO BOARD (667) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a failure in communication with the board.		
Impact: Telecom: The LTE cells associated with this module are not operational. OAM: No impact on OAM service.		
Remedial action: Check connectivity between controller and RFM. Check operation of RFM and controller. If the alarm persists, contact the next level of support.		

Table 22-813 IK4009139 - NO CONTACT TO BOARD

Alarm	Attributes	Applicable major NE releases
Name: IK4009139 (3197) Type: equipmentAlarm (3) Package: lte Raised on class: lte.TRDU	Severity: major Specific problem: NO CONTACT TO BOARD (667) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a failure in communication with the board.		
Impact: Telecom: The LTE cells associated with this module are not operational. OAM: No impact on OAM service.		
Remedial action: Check connectivity between controller and TRDU. Check operation of TRDU and controller. If the alarm persists, contact the next level of support.		

Table 22-814 IK4009140 - AUTOTEST FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4009140 (3198) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RRH	Severity: critical Specific problem: AUTOTEST FAILURE (637) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that the self test of the module reported an error.		
Impact: Telecom: The telecom resources processed by the module are lost as the module is out of service. OAM: No impact on OAM service.		
Remedial action: Reset the module. If the alarm persists, replace the module.		

Table 22-815 IK4009141 - AUTOTEST FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4009141 (3199) Type: equipmentAlarm (3) Package: lte Raised on class: lte.TRDU	Severity: critical Specific problem: AUTOTEST FAILURE (637) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that the self test of the module reported an error.		
Impact: Telecom: The telecom resources processed by the module are lost as the module is out of service. OAM: No impact on OAM service.		
Remedial action: Reset the module. If the alarm persists, replace the module.		

Table 22-816 IK4009142 - MODULE EXTRACTION

Alarm	Attributes	Applicable major NE releases
Name: IK4009142 (3200) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RRH	Severity: variable Specific problem: MODULE EXTRACTION (644) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates that the system detected extraction of the module.		
Impact: The resources processed by the module are lost.		
Remedial action: No action is required.		

Table 22-817 IK4009143 - MODULE EXTRACTION

Alarm	Attributes	Applicable major NE releases
Name: IK4009143 (3201) Type: equipmentAlarm (3) Package: lte Raised on class: lte.TRDU	Severity: variable Specific problem: MODULE EXTRACTION (644) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates that the system detected extraction of the module.		
Impact: The resources processed by the module are lost.		
Remedial action: No action is required.		

Table 22-818 IK4009144 - SFP EXTRACTED CPRI PORT

Alarm	Attributes	Applicable major NE releases
Name: IK4009144 (3202) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: major Specific problem: SFP EXTRACTED CPRI PORT (752) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that SFP module is extracted.		
Impact: Loss of RFM connection on CPRI port.		
Remedial action: Check SFP module and replace it.		

Table 22-819 IK4009150 - SFP EXTRACTED ON ALL CPRI PORTS

Alarm	Attributes	Applicable major NE releases
Name: IK4009150 (3203) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: critical Specific problem: SFP EXTRACTED ON ALL CPRI PORTS (753) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that SFP module of all ports are extracted.		
Impact: Loss of RFM connection on all CPRI ports.		
Remedial action: Check SFP modules and replace them if needed.		

Table 22-820 IK4009151 - SFP EXTRACTED BHPORT

Alarm	Attributes	Applicable major NE releases
Name: IK4009151 (3204) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: major Specific problem: SFP EXTRACTED BHPORT (754) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that SFP module of Ethernet backhaul port is extracted.		
Impact: Loss of backhaul network access on port.		
Remedial action: Check SFP module and replace it.		

Table 22-821 IK4009156 - SCTP INIT FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4009156 (3796) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: critical Specific problem: SCTP INIT FAILURE (756) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates the failure to initialize the SCTP access.		
Impact: Telecom: Telecom traffic is not possible. OAM: No impact on OAM service.		
Remedial action: Reset the eNodeB.		

Table 22-822 IK4009157 - WALG INITIALIZATION FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4009157 (3797) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: critical Specific problem: WALG INITIALIZATION FAILURE (660) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3
Description: This alarm indicates a failure to initialize the WAL gateway.		
Impact: Telecom: Telecom traffic is not possible. OAM: No impact on OAM service.		
Remedial action: Reset the eNodeB.		

Table 22-823 IK4009158 - OAM ENB FAULT 4

Alarm	Attributes	Applicable major NE releases
Name: IK4009158 (3798) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: minor Specific problem: OAM ENB FAULT 4 (757) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: Provisioned for late churn-in. This is a spare alarm for future use.		
Impact: Unknown.		
Remedial action: Unknown.		

Table 22-824 IK4009159 - OAM ENB FAULT 5

Alarm	Attributes	Applicable major NE releases
Name: IK4009159 (3799) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: minor Specific problem: OAM ENB FAULT 5 (758) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: Provisioned for late churn-in. This is a spare alarm for future use.		
Impact: Unknown.		
Remedial action: Unknown.		

Table 22-825 IK4009160 - OAM RRH FAULT 4

Alarm	Attributes	Applicable major NE releases
Name: IK4009160 (3800) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RRH	Severity: minor Specific problem: OAM RRH FAULT 4 (759) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: Provisioned for late churn-in. This is a spare alarm for future use.		
Impact: Unknown.		
Remedial action: Unknown.		

Table 22-826 IK4009161 - OAM RRH FAULT 5

Alarm	Attributes	Applicable major NE releases
Name: IK4009161 (3801) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RRH	Severity: minor Specific problem: OAM RRH FAULT 5 (760) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: Provisioned for late churn-in. This is a spare alarm for future use.		
Impact: Unknown.		
Remedial action: Unknown.		

Table 22-827 IK4009162 - OAM RRH FAULT 6

Alarm	Attributes	Applicable major NE releases
Name: IK4009162 (3802) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RRH	Severity: minor Specific problem: OAM RRH FAULT 6 (761) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: Provisioned for late churn-in. This is a spare alarm for future use.		
Impact: Unknown.		
Remedial action: Unknown.		

Table 22-828 IK4009163 - OAM CB FAULT 4

Alarm	Attributes	Applicable major NE releases
Name: IK4009163 (3803) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: OAM CB FAULT 4 (762) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: Provisioned for late churn-in. This is a spare alarm for future use.		
Impact: Unknown.		
Remedial action: Unknown.		

Table 22-829 IK4009169 - END OF THE HOLDOVER DURATION

Alarm	Attributes	Applicable major NE releases
Name: IK4009169 (3809) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: critical Specific problem: END OF THE HOLDOVER DURATION (763) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that when it is close to the end of the holdover duration of the internal oscillator		
Impact: The eNB shall stop RF transmission. This holdover duration is dependant of the type of oscillator and the duration is coming from the design		
Remedial action: No action is required.		

Table 22-830 IK4009171 - ADAPTIVE ANTENNA ARRAY PARAMETER UPDATE FAILED

Alarm	Attributes	Applicable major NE releases
Name: IK4009171 (3810) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: minor Specific problem: ADAPTIVE ANTENNA ARRAY PARAMETER UPDATE FAILED (764) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that a cell Adaptive Antenna Array parameter has been changed but the RFM supporting the cell failed to implement the new value.		
Impact: The requested Adaptive Antenna Array setting has not been applied to the cell.		
Remedial action: Determine the alarm reason and remedy as necessary.		

Table 22-831 IK4009172 - ADAPTIVE ANTENNA ARRAY OPERATION DEGRADED

Alarm	Attributes	Applicable major NE releases
Name: IK4009172 (3811) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: ADAPTIVE ANTENNA ARRAY OPERATION DEGRADED (765) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that a hardware fault within the AAA function of the RFM is degrading the beam pattern.		
Impact: The cell supported on this RFM is still functional but the uplink or downlink beam pattern may be degraded.		
Remedial action: Replace the RFM hardware.		

Table 22-832 IK4009173 - ADAPTIVE ANTENNA ARRAY OPERATION FAILED

Alarm	Attributes	Applicable major NE releases
Name: IK4009173 (3812) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: ADAPTIVE ANTENNA ARRAY OPERATION FAILED (766) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that a hardware fault within the AAA function of the RFM has disabled the AAA function.		
Impact: The cell supported on this RFM is still functional but the uplink or downlink beam pattern is not controlled.		
Remedial action: Replace the RFM hardware.		

Table 22-833 IK4009174 - DHCP CLIENT STOP FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4009174 (3993) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: variable Specific problem: DHCP CLIENT STOP FAILURE (662) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This event indicates the failure to stop the DHCP client on the eNodeB network interface.		
Impact: Telecom: No impact on telecom service. OAM: No impact on OAM service.		
Remedial action: No action is required.		

Table 22-834 IK4009175 - DHCP LEASE LOST

Alarm	Attributes	Applicable major NE releases
Name: IK4009175 (3994) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: variable Specific problem: DHCP LEASE LOST (668) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This event indicates that the DHCP client lost the lease of the DHCP server.		
Impact: Telecom: No impact on telecom service. OAM: No impact on OAM service.		
Remedial action: No action is required.		

Table 22-835 IK4009176 - IP LOOPBACK MANUAL TERMINATION

Alarm	Attributes	Applicable major NE releases
Name: IK4009176 (3995) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: variable Specific problem: IP LOOPBACK MANUAL TERMINATION (671) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This event indicates that the IP loopback is manually stopped.		
Impact: Telecom: No impact on telecom service. OAM: No impact on OAM service.		
Remedial action: No action is required.		

Table 22-836 IK4009177 - IP LOOPBACK INACTIVITY PERIOD TERMINATION

Alarm	Attributes	Applicable major NE releases
Name: IK4009177 (3996) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: variable Specific problem: IP LOOPBACK INACTIVITY PERIOD TERMINATION (672) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This event indicates that the IP loopback stopped automatically due to inactivity for certain period.		
Impact: Telecom: No impact on telecom service. OAM: No impact on OAM service.		
Remedial action: No action is required.		

Table 22-837 IK4009178 - IP LOOPBACK GUARD TIMER TERMINATION

Alarm	Attributes	Applicable major NE releases
Name: IK4009178 (3997) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: variable Specific problem: IP LOOPBACK GUARD TIMER TERMINATION (673) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This event indicates that the IP loopback stopped automatically due to expiry of the guard timer.		
Impact: Telecom: No impact on telecom service. OAM: No impact on OAM service.		
Remedial action: No action is required.		

Table 22-838 IK4009179 - OAM SCB EVENT 1

Alarm	Attributes	Applicable major NE releases
Name: IK4009179 (3998) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: variable Specific problem: OAM SCB EVENT 1 (767) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: Provisioned for late churn-in. This is a spare event for future use.		
Impact: Unknown.		
Remedial action: No action is required.		

Table 22-839 IK4009180 - OAM SCB EVENT 2

Alarm	Attributes	Applicable major NE releases
Name: IK4009180 (3999) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: variable Specific problem: OAM SCB EVENT 2 (768) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: Provisioned for late churn-in. This is a spare event for future use.		
Impact: Unknown.		
Remedial action: No action is required.		

Table 22-840 IK4009181 - OAM SCB EVENT 3

Alarm	Attributes	Applicable major NE releases
Name: IK4009181 (4000) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: variable Specific problem: OAM SCB EVENT 3 (769) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: Provisioned for late churn-in. This is a spare event for future use.		
Impact: Unknown.		
Remedial action: No action is required.		

Table 22-841 IK4009182 - OAM MF EVENT 1

Alarm	Attributes	Applicable major NE releases
Name: IK4009182 (4001) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: variable Specific problem: OAM MF EVENT 1 (770) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: Provisioned for late churn-in. This is a spare event for future use.		
Impact: Unknown.		
Remedial action: No action is required.		

Table 22-842 IK4009183 - OAM MF EVENT 2

Alarm	Attributes	Applicable major NE releases
Name: IK4009183 (4002) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: variable Specific problem: OAM MF EVENT 2 (642) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3
Description: This is a spare event for future use.		
Impact: Unknown.		
Remedial action: Unknown.		

Table 22-843 IK4009184 - OAM MF EVENT 3

Alarm	Attributes	Applicable major NE releases
Name: IK4009184 (4003) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: variable Specific problem: OAM MF EVENT 3 (643) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3
Description: This is a spare event for future use.		
Impact: Unknown.		
Remedial action: Unknown.		

Table 22-844 IK4009185 - SNTP CLIENT STOP FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4009185 (4004) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: variable Specific problem: SNTP CLIENT STOP FAILURE (659) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This event indicates the failure to stop the SNTP client.		
Impact: Telecom: No impact on telecom service. OAM: No impact on OAM service.		
Remedial action: No action is required.		

Table 22-845 IK4009186 - SSH SERVER STOP FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4009186 (4005) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: variable Specific problem: SSH SERVER STOP FAILURE (657) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This event indicates the failure to stop the SSH server.		
Impact: Telecom: No impact on telecom service. OAM: No impact on OAM service.		
Remedial action: No action is required.		

Table 22-846 IK4009187 - OAM RFME EVENT 1

Alarm	Attributes	Applicable major NE releases
Name: IK4009187 (4006) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFME	Severity: variable Specific problem: OAM RFME EVENT 1 (771) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: Provisioned for late churn-in. This is a spare event for future use.		
Impact: Unknown.		
Remedial action: No action is required.		

Table 22-847 IK4009188 - OAM RFME EVENT 2

Alarm	Attributes	Applicable major NE releases
Name: IK4009188 (4007) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFME	Severity: variable Specific problem: OAM RFME EVENT 2 (772) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: Provisioned for late churn-in. This is a spare event for future use.		
Impact: Unknown.		
Remedial action: No action is required.		

Table 22-848 IK4009189 - OAM RFME EVENT 3

Alarm	Attributes	Applicable major NE releases
Name: IK4009189 (4008) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFME	Severity: variable Specific problem: OAM RFME EVENT 3 (773) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: Provisioned for late churn-in. This is a spare event for future use.		
Impact: Unknown.		
Remedial action: No action is required.		

Table 22-849 IK4009190 - LOSS OF EMBMS PHASE SYNC

Alarm	Attributes	Applicable major NE releases
Name: IK4009190 (4009) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: LOSS OF EMBMS PHASE SYNC (755) Implicitly cleared: true Default probable cause: lossOfSignal (99)	<ul style="list-style-type: none"> • LR13.1 • LR13.3
Description: This alarm indicates that the phase-sync requirement for supporting eMBMS can no longer be guaranteed due to the loss of clock reference.		
Impact: eMBMS specified commitment for error rate and cell coverage can no longer be guaranteed due to phase drift.		
Remedial action: If alarm remains consider the Clock reference alarms to determine the cause of the onset of holdover.		

Table 22-850 IK4009191 - M3 SCTP ASSOCIATION FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4009191 (4010) Type: equipmentAlarm (3) Package: lte Raised on class: lte.M3MmeTransportLayerAccess	Severity: major Specific problem: M3 SCTP ASSOCIATION FAILURE (774) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that the MME does not acknowledge the M3 association request from the MCE.		
Impact: No eMBMS sessions can be started.		
Remedial action: 1. Check IP and SCTP provisioning in eNB and MME. 2. Check network connectivity between eNB and MME.		

Table 22-851 IK4009192 - M3 SCTP ASSOCIATION DOWN

Alarm	Attributes	Applicable major NE releases
Name: IK4009192 (4011) Type: equipmentAlarm (3) Package: lte Raised on class: lte.M3MmeTransportLayerAccess	Severity: major Specific problem: M3 SCTP ASSOCIATION DOWN (775) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates a M3 association fault between the eNodeB and the MME.		
Impact: eMBMS sessions outage. The on-going sessions broadcast transmissions are stopped, and no futur eMBMS sessions can be started		
Remedial action: 1. Check IP and SCTP provisioning in eNB and MME. 2. Check network connectivity between eNB and MME.		

Table 22-852 IK4009193 - LOSS OF EICIC PHASE SYNC

Alarm	Attributes	Applicable major NE releases
Name: IK4009193 (4012) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: LOSS OF EICIC PHASE SYNC (776) Implicitly cleared: true Default probable cause: timingProblem (903)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that the eICIC functionality is not longer guaranteed to specification due to clock drift.		
Impact: eICIC capability is compromised.		
Remedial action: No action is required.		

Table 22-853 IK4009194 - LOSS OF EICIC PHASE SYNC

Alarm	Attributes	Applicable major NE releases
Name: IK4009194 (4013) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: minor Specific problem: LOSS OF EICIC PHASE SYNC (776) Implicitly cleared: true Default probable cause: timingProblem (903)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that the eICIC functionality is not longer guaranteed to specification due to clock drift.		
Impact: eICIC capability is compromised.		
Remedial action: No action is required.		

Table 22-854 IK4009195 - ETHERNET PORT FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4009195 (4677) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: critical Specific problem: ETHERNET PORT FAILURE (777) Implicitly cleared: true Default probable cause: inputOutputDeviceError (703)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates the BBU failed to send/receive traffic through an Ethernet port.		
Impact: Traffic cannot flow through the Ethernet backhaul port.		
Remedial action: Check the Ethernet port equipment for failure, replace the BBU controller board if necessary.		

Table 22-855 IK4009196 - BAD SHAPING CONFIGURATION

Alarm	Attributes	Applicable major NE releases
Name: IK4009196 (4678) Type: qualityOfServiceAlarm (82) Package: lte Raised on class: lte.ENBEquipment	Severity: major Specific problem: BAD SHAPING CONFIGURATION (778) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that the sum of the egress CIR per VLAN exceeds the daisy chained port speed when shaping per VLAN on the daisy chained port is requested. Either the egress CIR exceed the daisy chained port speed when shaping per port on daisy chained port is requested		
Impact: The shaping function has no effect.		
Remedial action: The shaping configuration shall be checked.		

Table 22-856 IK4009197 - BAD POLICING CONFIGURATION

Alarm	Attributes	Applicable major NE releases
Name: IK4009197 (4679) Type: qualityOfServiceAlarm (82) Package: lte Raised on class: lte.ENBEquipment	Severity: major Specific problem: BAD POLICING CONFIGURATION (779) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates the ingress CIR exceed the daisy chained port speed, when policing on daisy chained port is requested		
Impact: The policing function has no effect.		
Remedial action: Review the policing configuration and change if necessary.		

Table 22-857 IK4009198 - SCB PTP DISCONTINUOUS SESSION LOCK FAIL

Alarm	Attributes	Applicable major NE releases
Name: IK4009198 (4680) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: minor Specific problem: SCB PTP DISCONTINUOUS SESSION LOCK FAIL (780) Implicitly cleared: true Default probable cause: lossOfSignal (99)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates, when the 1588 client is configured to Discontinuous mode that the client failed to achieve Lock in the 1588 message transfer session. This alarm is inhibited when the 1588 message transfer is in Continuous mode.		
Impact: The Metrocell moves to Holdover state, CallP remains supported.		
Remedial action: Investigate the link PDV impairment profile. Increase the length of the active 1588 message transfer session.		

Table 22-858 IK4009199 - TAMPER DETECTED

Alarm	Attributes	Applicable major NE releases
Name: IK4009199 (4681) Type: physicalViolation (91) Package: lte Raised on class: lte.ENBEquipment	Severity: major Specific problem: TAMPER DETECTED (781) Implicitly cleared: true Default probable cause: enclosureDoorOpen (900)	<ul style="list-style-type: none"> • LR13.1
Description: This alarm indicates that the enclosure of the eNB-MCI has been opened.		
Impact: The internal components of the eNB-MCI may be accessible to an attacker.		
Remedial action: Check the enclosure.		

Table 22-859 IK4009200 - ETHERNET MAC ADDRESS MOVEMENT

Alarm	Attributes	Applicable major NE releases
Name: IK4009200 (4682) Type: integrityViolation (85) Package: lte Raised on class: lte.ENBEquipment	Severity: minor Specific problem: ETHERNET MAC ADDRESS MOVEMENT (782) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1
Description: This alarm indicates a MAC address learned by the L2 switch has moved between ports on the switch.		
Impact: eNodeB operation may be unimpaired, however the hardware Ethernet connectivity has been tampered with and the unit should be examined.		
Remedial action: Confirm the physical integrity of the eNodeB.		

Table 22-860 IK4009201 - TOO MANY CONNCTED MAC ADDRESSES

Alarm	Attributes	Applicable major NE releases
Name: IK4009201 (4683) Type: integrityViolation (85) Package: lte Raised on class: lte.ENBEquipment	Severity: minor Specific problem: TOO MANY CONNCTED MAC ADDRESSES (783) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1
Description: This alarm indicates the number of Ethernet MAC addresses communicating via a single port of the L2 switch exceeds the defined limit of 32.		
Impact: eNodeB operation may be unimpaired but the Ethernet connectivity has been tampered with.		
Remedial action: Verify integrity of the eNodeB and its backhaul connections.		

Table 22-861 IK4009202 - EFM L2 ETHERNET PORT FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4009202 (4684) Type: communicationsAlarm (4) Package: lte Raised on class: lte.ENBEquipment	Severity: major Specific problem: EFM L2 ETHERNET PORT FAILURE (784) Implicitly cleared: true Default probable cause: lossOfFrame (97)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that an Ethernet MAC failure has been detected by the EFM protocol.		
Impact: Backhaul communication to the eNodeB may be lost.		
Remedial action: Check the EFM local and remote information for the Ethernet port.		

Table 22-862 IK4009203 - AUTOTEST FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4009203 (4685) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: critical Specific problem: AUTOTEST FAILURE (637) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that the self test of the module reported an error.		
Impact: The telecom resources processed by the module are lost since the module is out of service, however there is no impact on OAM services of the module.		
Remedial action: Reset the module. If the alarm persists, replace the module.		

Table 22-863 IK4009204 - NO CONTACT TO BOARD

Alarm	Attributes	Applicable major NE releases
Name: IK4009204 (4686) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFME	Severity: major Specific problem: NO CONTACT TO BOARD (667) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: The controller can no longer communicate with this unit.		
Impact: Telecom: The performance of the telecom service is low. OAM: No impact on OAM service.		
Remedial action: Check the board connectivity.		

Table 22-864 IK4009205 - AUTOTEST FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4009205 (4687) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFME	Severity: critical Specific problem: AUTOTEST FAILURE (637) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that the self test of the module reported an error.		
Impact: The telecom resources processed by the module are lost since the module is out of service, however there is no impact on OAM services of the module.		
Remedial action: Reset the eNB. If the alarm persists, replace the module.		

Table 22-865 IK4009209 - NO CONTACT TO BOARD

Alarm	Attributes	Applicable major NE releases
Name: IK4009209 (4688) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: critical Specific problem: NO CONTACT TO BOARD (667) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: The controller can no longer communicate with this unit.		
Impact: OAM inventory reporting is incorrect OAM:Metro Dock reporting degraded		
Remedial action: Check for connectivity with the board.		

Table 22-866 IK4009210 - MAX NUMBER OF ANTENNA LINE DEVICES EXCEEDED

Alarm	Attributes	Applicable major NE releases
Name: IK4009210 (4689) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: major Specific problem: MAX NUMBER OF ANTENNA LINE DEVICES EXCEEDED (785) Implicitly cleared: true Default probable cause: resourceAtOrNearingCapacity (715)	<ul style="list-style-type: none"> • LR13.1
Description: The sum of antenna line devices connected to all RFMs of the eNodeB is greater than the supported maximum quantity for the eNodeB.		
Impact: Antenna line devices in excess of the supported limit will not be managed and may not function properly.		
Remedial action: Reduce the number of antenna line devices, replace individual TMA or RET devices with multiTMA or multiRET ALDs, recable some ALDs to other eNodeBs if possible.		

Table 22-867 IK4010001 - RET UNREADABLE MANUFACTURER DATA

Alarm	Attributes	Applicable major NE releases
Name: IK4010001 (2664) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RetAldEntry	Severity: minor Specific problem: RET UNREADABLE MANUFACTURER DATA (786) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a failure to read manufacturer data record.		
Impact: The RET may not respond to tilt requests.		
Remedial action: Reset the RET, replace if necessary.		

Table 22-868 IK4010002 - RET MOTOR JAM

Alarm	Attributes	Applicable major NE releases
Name: IK4010002 (2665) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RetAldEntry	Severity: minor Specific problem: RET MOTOR JAM (787) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that the RET motor cannot move.		
Impact: Loss of antenna tilt motion.		
Remedial action: Check for obstruction of antenna tilt mechanism, or replace failed RET actuator.		

Table 22-869 IK4010003 - RET ACTUATOR JAM

Alarm	Attributes	Applicable major NE releases
Name: IK4010003 (2666) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.RetAldEntry	Severity: minor Specific problem: RET ACTUATOR JAM (788) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that the RET actuator jam has been detected. No movement of the actuator, but movement of the motor was detected.		
Impact: Loss of antenna tilt motion.		
Remedial action: Check for obstruction of antenna tilt mechanism, or replace failed RET actuator.		

Table 22-870 IK4010004 - RET NOT CALIBRATED

Alarm	Attributes	Applicable major NE releases
Name: IK4010004 (2667) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.RetAldEntry	Severity: minor Specific problem: RET NOT CALIBRATED (789) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that the RET device has not completed a calibration operation, or calibration has been lost		
Impact: RET tilt angle may not be accurate.		
Remedial action: Execute the RET calibration procedure.		

Table 22-871 IK4010005 - RET NOT CONFIGURED

Alarm	Attributes	Applicable major NE releases
Name: IK4010005 (2668) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.RetAldEntry	Severity: minor Specific problem: RET NOT CONFIGURED (790) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that the RET actuator antenna configuration file is missing.		
Impact: No Antenna Tilt Function.		
Remedial action: Download proper ACF configuration data and repeat calibration.		

Table 22-872 IK4010006 - RET HW FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4010006 (2669) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RetAldEntry	Severity: minor Specific problem: RET HW FAILURE (791) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a general hardware failure.		
Impact: The RET is out of service.		
Remedial action: Reset the RET, replace the RET if the problem persists.		

Table 22-873 IK4010007 - RET ACTUATOR INTERFERENCE

Alarm	Attributes	Applicable major NE releases
Name: IK4010007 (2670) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RetAldEntry	Severity: minor Specific problem: RET ACTUATOR INTERFERENCE (792) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates an actuator movement outside the control of the RET unit. Probable cause is manual interference.		
Impact: Loss of antenna tilt motion.		
Remedial action: Check the antenna panel for mechanical interference.		

Table 22-874 IK4010008 - RET SOFTWARE FAIL

Alarm	Attributes	Applicable major NE releases
Name: IK4010008 (2671) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RetAldEntry	Severity: minor Specific problem: RET SOFTWARE FAIL (793) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a general RET SW failure.		
Impact: The RET is out of service.		
Remedial action: Reset the RET. If the problem persists then download new software to the RET, otherwise replace the RET.		

Table 22-875 IK4010009 - RET ALD UNIT SUPPORT WRONG AISG VERSION

Alarm	Attributes	Applicable major NE releases
Name: IK4010009 (2672) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.RetAldEntry	Severity: minor Specific problem: RET ALD UNIT SUPPORT WRONG AISG VERSION (794) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that the ALD unit does not support AISG version 2.0.		
Impact: The RET is out of service.		
Remedial action: Upgrade the software.		

Table 22-876 IK4010010 - RET LOSS OF COMM

Alarm	Attributes	Applicable major NE releases
Name: IK4010010 (2673) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.RetAldEntry	Severity: minor Specific problem: RET LOSS OF COMM (795) Implicitly cleared: true Default probable cause: communicationsSubsystemFailure (915)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates the RFM that acts as an AISG Controller lost communication to the RET unit.		
Impact: Loss of alarm reporting by the RET.		
Remedial action: Inspect and repair the AISG bus if needed, otherwise replace the RET.		

Table 22-877 IK4010011 - RET FAULT 1

Alarm	Attributes	Applicable major NE releases
Name: IK4010011 (3205) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.RetAldEntry	Severity: minor Specific problem: RET FAULT 1 (796) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. Unspecified RET fault.		
Impact: Check the additional info for impact details.		
Remedial action: Check the additional info for maintenance action details.		

Table 22-878 IK4010012 - RET FAULT 2

Alarm	Attributes	Applicable major NE releases
Name: IK4010012 (3206) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RetAidEntry	Severity: minor Specific problem: RET FAULT 2 (797) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. Unspecified RET fault.		
Impact: Check the additional info for impact details.		
Remedial action: Check the additional info for maintenance action details.		

Table 22-879 IK4010013 - RET FAULT 3

Alarm	Attributes	Applicable major NE releases
Name: IK4010013 (3207) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RetAidEntry	Severity: minor Specific problem: RET FAULT 3 (798) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. Unspecified RET fault.		
Impact: Check the additional info for impact details.		
Remedial action: Check the additional info for maintenance action details.		

Table 22-880 IK4010014 - RET FAULT 4

Alarm	Attributes	Applicable major NE releases
Name: IK4010014 (3208) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RetAidEntry	Severity: minor Specific problem: RET FAULT 4 (799) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. Unspecified RET fault.		
Impact: Check the additional info for impact details.		
Remedial action: Check the additional info for maintenance action details.		

Table 22-881 IK4010015 - RET FAULT 5

Alarm	Attributes	Applicable major NE releases
Name: IK4010015 (3209) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RetAldEntry	Severity: minor Specific problem: RET FAULT 5 (800) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. Unspecified RET fault.		
Impact: Check the additional info for impact details.		
Remedial action: Check the additional info for maintenance action details.		

Table 22-882 IK4010016 - RET INDETERMINATE OPERATIONAL FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4010016 (3813) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RetAldEntry	Severity: minor Specific problem: RET INDETERMINATE OPERATIONAL FAILURE (801) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3
Description: This alarm indicates that a failure of the RET has been detected that cannot be described by any specific alarm.		
Impact: Antenna tilt may not function while this alarm is present, but cell operation is unaffected (though antenna tilt position may be unknown)		
Remedial action: The unit is automatically reset to attempt to clear the fault. If the problem persists then replace the RET.		

Table 22-883 IK4010017 - RET SUBUNIT 2 MOTOR JAM

Alarm	Attributes	Applicable major NE releases
Name: IK4010017 (3814) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RetAldEntry	Severity: minor Specific problem: RET SUBUNIT 2 MOTOR JAM (802) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that the RET Subunit 2 motor cannot move.		
Impact: Loss of antenna tilt motion for Subunit 2		
Remedial action: Check for obstruction of antenna tilt mechanism, or replace failed RET Subunit 2 actuator.		

Table 22-884 IK4010018 - RET SUBUNIT 2 ACTUATOR JAM

Alarm	Attributes	Applicable major NE releases
Name: IK4010018 (3815) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RetAidEntry	Severity: minor Specific problem: RET SUBUNIT 2 ACTUATOR JAM (803) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that RET Subunit 2 actuator jam has been detected. No movement of the actuator, but movement of the motor was detected.		
Impact: Loss of antenna tilt motion for Subunit 2		
Remedial action: Check for obstruction of antenna tilt mechanism, or replace failed RET Subunit 2 actuator.		

Table 22-885 IK4010019 - RET SUBUNIT 2 NOT CALIBRATED

Alarm	Attributes	Applicable major NE releases
Name: IK4010019 (3816) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RetAidEntry	Severity: minor Specific problem: RET SUBUNIT 2 NOT CALIBRATED (804) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that the RET Subunit 2 device has not completed a calibration operation, or calibration has been lost		
Impact: RET Subunit 3 needs re-calibration for Subunit 2		
Remedial action: Execute the RET Subunit 2 calibration procedure.		

Table 22-886 IK4010020 - RET SUBUNIT 2 NOT CONFIGURED

Alarm	Attributes	Applicable major NE releases
Name: IK4010020 (3817) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RetAidEntry	Severity: minor Specific problem: RET SUBUNIT 2 NOT CONFIGURED (805) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that the RET Subunit 2 actuator antenna configuration file is missing.		
Impact: No Antenna Tilt Function for Subunit 2		
Remedial action: Download proper ACF configuration data to Subunit 2 and repeat calibration.		

Table 22-887 IK4010021 - RET SUBUNIT 3 MOTOR JAM

Alarm	Attributes	Applicable major NE releases
Name: IK4010021 (3818) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RetAidEntry	Severity: minor Specific problem: RET SUBUNIT 3 MOTOR JAM (806) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that the RET Subunit 3 motor cannot move.		
Impact: Loss of antenna tilt motion Subunit 3		
Remedial action: Check for obstruction of antenna tilt mechanism, or replace failed RET Subunit 3 actuator.		

Table 22-888 IK4010022 - RET SUBUNIT 3 ACTUATOR JAM

Alarm	Attributes	Applicable major NE releases
Name: IK4010022 (3819) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RetAidEntry	Severity: minor Specific problem: RET SUBUNIT 3 ACTUATOR JAM (807) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that RET Subunit 3 actuator jam has been detected. No movement of the actuator, but movement of the motor was detected.		
Impact: Loss of antenna tilt motion Subunit 3		
Remedial action: Check for obstruction of antenna tilt mechanism, or replace failed RET Subunit 3 actuator.		

Table 22-889 IK4010023 - RET SUBUNIT 3 NOT CALIBRATED

Alarm	Attributes	Applicable major NE releases
Name: IK4010023 (3820) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RetAidEntry	Severity: minor Specific problem: RET SUBUNIT 3 NOT CALIBRATED (808) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that the RET Subunit 3 device has not completed a calibration operation, or calibration has been lost		
Impact: RET Subunit 3 needs re-calibration		
Remedial action: Execute the RET calibration procedure for Subunit 3.		

Table 22-890 IK4010024 - RET SUBUNIT 3 NOT CONFIGURED

Alarm	Attributes	Applicable major NE releases
Name: IK4010024 (3821) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.RetAldEntry	Severity: minor Specific problem: RET SUBUNIT 3 NOT CONFIGURED (809) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that the RET Subunit 3 actuator antenna configuration file is missing.		
Impact: No Antenna Tilt Function for Subunit 3.		
Remedial action: Download proper ACF configuration data to subunit 3 and repeat calibration.		

Table 22-891 IK4010025 - RET SUBUNIT 4 MOTOR JAM

Alarm	Attributes	Applicable major NE releases
Name: IK4010025 (3822) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.RetAldEntry	Severity: minor Specific problem: RET SUBUNIT 4 MOTOR JAM (810) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that the RET Subunit 4 motor cannot move.		
Impact: Loss of antenna tilt motion Subunit 4		
Remedial action: Check for obstruction of antenna tilt mechanism, or replace failed RET Subunit 4 actuator.		

Table 22-892 IK4010026 - RET SUBUNIT 4 ACTUATOR JAM

Alarm	Attributes	Applicable major NE releases
Name: IK4010026 (3823) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.RetAldEntry	Severity: minor Specific problem: RET SUBUNIT 4 ACTUATOR JAM (811) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that RET Subunit 4 actuator jam has been detected. No movement of the actuator, but movement of the motor was detected.		
Impact: Loss of antenna tilt motion Subunit 4		
Remedial action: Check for obstruction of antenna tilt mechanism, or replace failed RET Subunit 4 actuator.		

Table 22-893 IK4010027 - RET SUBUNIT 4 NOT CALIBRATED

Alarm	Attributes	Applicable major NE releases
Name: IK4010027 (3824) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.RetAldEntry	Severity: minor Specific problem: RET SUBUNIT 4 NOT CALIBRATED (812) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that the RET Subunit 4 device has not completed a calibration operation, or calibration has been lost		
Impact: RET Subunit 4 needs re-calibration		
Remedial action: Execute the RET Subunit 4 calibration procedure.		

Table 22-894 IK4010028 - RET SUBUNIT 4 NOT CONFIGURED

Alarm	Attributes	Applicable major NE releases
Name: IK4010028 (3825) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.RetAldEntry	Severity: minor Specific problem: RET SUBUNIT 4 NOT CONFIGURED (813) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that the RET Subunit 4 actuator antenna configuration file is missing.		
Impact: No Antenna Tilt Function for Subunit 4.		
Remedial action: Download proper ACF configuration data to Subunit 4 and repeat calibration.		

Table 22-895 IK4010029 - RET ACTUATOR INTERFERENCE 1

Alarm	Attributes	Applicable major NE releases
Name: IK4010029 (4014) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.RetAldEntry	Severity: minor Specific problem: RET ACTUATOR INTERFERENCE 1 (814) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates an actuator movement outside the control of the RET subunit 1. Probable cause is manual interference.		
Impact: Loss of antenna tilt motion.		
Remedial action: Check the antenna panel for mechanical interference.		

Table 22-896 IK4010030 - RET ACTUATOR INTERFERENCE 2

Alarm	Attributes	Applicable major NE releases
Name: IK4010030 (4015) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RetAidEntry	Severity: minor Specific problem: RET ACTUATOR INTERFERENCE 2 (815) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates an actuator movement outside the control of the RET subunit 2. Probable cause is manual interference.		
Impact: Loss of antenna tilt motion.		
Remedial action: Check the antenna panel for mechanical interference.		

Table 22-897 IK4010031 - RET ACTUATOR INTERFERENCE 3

Alarm	Attributes	Applicable major NE releases
Name: IK4010031 (4016) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RetAidEntry	Severity: minor Specific problem: RET ACTUATOR INTERFERENCE 3 (816) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates an actuator movement outside the control of the RET subunit 3. Probable cause is manual interference.		
Impact: Loss of antenna tilt motion.		
Remedial action: Check the antenna panel for mechanical interference.		

Table 22-898 IK4010032 - RET ACTUATOR INTERFERENCE 4

Alarm	Attributes	Applicable major NE releases
Name: IK4010032 (4017) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RetAidEntry	Severity: minor Specific problem: RET ACTUATOR INTERFERENCE 4 (817) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates an actuator movement outside the control of the RET subunit 4. Probable cause is manual interference.		
Impact: Loss of antenna tilt motion.		
Remedial action: Check the antenna panel for mechanical interference.		

Table 22-899 IK4010033 - RET SUBUNIT 1 MOTOR JAM

Alarm	Attributes	Applicable major NE releases
Name: IK4010033 (4018) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RetAldEntry	Severity: minor Specific problem: RET SUBUNIT 1 MOTOR JAM (818) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that the RET Subunit 1 motor cannot move.		
Impact: Loss of antenna tilt motion for Subunit 1		
Remedial action: Check for obstruction of antenna tilt mechanism, or replace failed RET Subunit 1 actuator.		

Table 22-900 IK4010034 - RET SUBUNIT 1 ACTUATOR JAM

Alarm	Attributes	Applicable major NE releases
Name: IK4010034 (4019) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RetAldEntry	Severity: minor Specific problem: RET SUBUNIT 1 ACTUATOR JAM (819) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that RET Subunit 1 actuator jam has been detected. No movement of the actuator, but movement of the motor was detected.		
Impact: Loss of antenna tilt motion for Subunit 1		
Remedial action: Check for obstruction of antenna tilt mechanism, or replace failed RET Subunit 1 actuator.		

Table 22-901 IK4010035 - RET SUBUNIT 1 NOT CALIBRATED

Alarm	Attributes	Applicable major NE releases
Name: IK4010035 (4020) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RetAldEntry	Severity: minor Specific problem: RET SUBUNIT 1 NOT CALIBRATED (820) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that the RET Subunit 1 device has not completed a calibration operation, or calibration has been lost		
Impact: Execute the RET Subunit 1 calibration procedure		
Remedial action: Execute the RET Subunit 1 calibration procedure.		

Table 22-902 IK4010036 - RET SUBUNIT 1 NOT CONFIGURED

Alarm	Attributes	Applicable major NE releases
Name: IK4010036 (4021) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.RetAldEntry	Severity: minor Specific problem: RET SUBUNIT 1 NOT CONFIGURED (821) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that the RET Subunit 1 actuator antenna configuration file is missing.		
Impact: No Antenna Tilt Function for Subunit 1		
Remedial action: Download proper ACF configuration data to Subunit 1 and repeat calibration.		

Table 22-903 IK4010038 - ALL SUBUNITS IN ALARM STATUS

Alarm	Attributes	Applicable major NE releases
Name: IK4010038 (4690) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.RetAldEntry	Severity: minor Specific problem: ALL SUBUNITS IN ALARM STATUS (822) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that all the subunits (or the only unit of a single subunit device) are in alarm.		
Impact: Tilt of the antennas supported by this RET cannot be adjusted.		
Remedial action: Refer to the alarm reported for the specific subunits and correct the fault or replace the unit as necessary.		

Table 22-904 IK4010039 - RET INDETERMINATE OPERATIONAL FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4010039 (5238) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.RetAldEntry	Severity: minor Specific problem: RET INDETERMINATE OPERATIONAL FAILURE (801) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR14.1.L
Description: This alarm indicates that a failure of the RET has been detected that cannot be described by any specific alarm.		
Remedial action: The unit is automatically reset to attempt to clear the fault. If the problem persists then replace the RET.		

Table 22-905 IK4011003 - ANTENNA_PORT GAIN CONTROL WARNING TX

Alarm	Attributes	Applicable major NE releases
Name: IK4011003 (3212) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: major Specific problem: ANTENNA_PORT GAIN CONTROL WARNING TX (825) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: The RFM in Macro eNB or RFME in Metro eNB may not be able to maintain normal transmit gain on this port, but the port is still transmitting.		
Impact: The RFM port in Macro or RFME port in Metro is still transmitting but possibly at reduced power output.		
Remedial action: Check the RFM (Macro) or RFME (Metro) environment. If no environmental problems are present then reset the RFM (Macro eNB) or reset eNB (Metro eNB) at the next maintenance window. If the alarm persists then prepare for possible failure of the unit, replacement may be necessary.		

Table 22-906 IK4011004 - ANTENNA_PORT TX FAIL

Alarm	Attributes	Applicable major NE releases
Name: IK4011004 (3213) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: major Specific problem: ANTENNA_PORT TX FAIL (826) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates the RF transmission has failed on this port.		
Impact: The RFM port in Macro or RFME port in Metro is no longer transmitting, but the cell may still be partially supported on another port.		
Remedial action: Reset the RFM (Macro eNB) or in case of Metro all-in-one equipment reset eNB (Metro eNB) at the next maintenance window. If the alarm persists then replace the RFM in Macro or the Metro Equipment."		

Table 22-907 IK4011005 - ANTENNA_PORT GAIN CONTROL TX

Alarm	Attributes	Applicable major NE releases
Name: IK4011005 (3214) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: major Specific problem: ANTENNA_PORT GAIN CONTROL TX (827) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates the RFM in Macro eNB or RFME in Metro eNB cannot provide the required RF gain on this port and is no longer transmitting.		
Impact: The RFM port in Macro or RFME port in Metro is no longer transmitting, but the cell may still be partially supported on another port.		

(1 of 2)

22 – Alcatel-Lucent 9xxx eNodeB alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: Reset the RFM (Macro eNB) or in case of Metro all-in-one equipment reset eNB (Metro eNB) at the next maintenance window. If the alarm persists then replace the RFM in Macro or the Metro Equipment."		

(2 of 2)

Table 22-908 IK4011006 - ANTENNA_PORT RF OUTPUT OVRDRV TX

Alarm	Attributes	Applicable major NE releases
Name: IK4011006 (3215) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: major Specific problem: ANTENNA_PORT RF OUTPUT OVRDRV TX (828) Implicitly cleared: true Default probable cause: powerProblem (911)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates the RFM in Macro eNB or RFME in Metro has detected that transmit power on this port is too high so transmission for the port has been turned off. The turn off may also be caused by High reflected power: if the antenna cable is disconnected or damaged, or the antenna is damaged there may be high RF power levels reflected back into the RFM antenna port. RFMs can absorb a certain amount of this but newer high power units may not be able to absorb high return levels and so need to shut down. The power off may be also be due to High input IQ slew rates- internal slew detectors shut down the transmit path if the IQ levels swing too much for too long (5 seconds)		
Impact: The RFM port in Macro or RFME port in Metro is no longer transmitting, but the cell may still be partially supported on another port.		
Remedial action: Check for proper downlink power settings of the cells assigned to this port. Check also if the antenna cable is disconnected or damaged, or if the antenna is damaged, this may be the cause of High Reflected Power. Check also the CPRI cable connection, that may be the cause of High Input slew detectors		

Table 22-909 IK4011007 - ANTENNA_PORT RX FAIL

Alarm	Attributes	Applicable major NE releases
Name: IK4011007 (3216) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: major Specific problem: ANTENNA_PORT RX FAIL (829) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates the receiver for this port has failed.		
Impact: Reception on this port is no longer functioning, but the cell may still be partially supported on another port.		
Remedial action: Reset the RFM (Macro eNB) or in case of Metro all-in-one equipment reset eNB (Metro eNB) at the next maintenance window. If the alarm persists then replace the RFM in Macro or the Metro Equipment."		

Table 22-910 IK4011008 - ANTENNA_PORT EQUIP FAIL TX

Alarm	Attributes	Applicable major NE releases
Name: IK4011008 (3217) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: major Specific problem: ANTENNA_PORT EQUIP FAIL TX (830) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that the transmit amplifier for this port cannot function and transmission for the port has been turned off.		
Impact: The RFM port in Macro or RFME port in Metro is no longer transmitting, but the cell may still be partially supported on another port.		
Remedial action: Check the input voltage of the RFM in Macro or RFME in Metro to ensure it is within range, otherwise reset the RFM (Macro eNB) or in case of Metro all-in-one equipment reset eNB (Metro eNB) at the next maintenance window. If the alarm persists then replace the RFM in Macro or the Metro Equipment.		

Table 22-911 IK4011009 - ANTENNA_PORT DIGITAL INPUT OVRDRV TX

Alarm	Attributes	Applicable major NE releases
Name: IK4011009 (3218) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: major Specific problem: ANTENNA_PORT DIGITAL INPUT OVRDRV TX (831) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that the digital transmit signal from the modem is too high for the RFM in Macro or RFME in Metro.		
Impact: Transmission on the port is degraded but still functioning. Cell performance may be degraded.		
Remedial action: Verify that the cell settings are correct. Reset the modem or reset the RFM (Macro eNB) or reset eNB (Metro eNB).		

Table 22-912 IK4011010 - ANTENNA_PORT TX VSWR THRESH1

Alarm	Attributes	Applicable major NE releases
Name: IK4011010 (3219) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: minor Specific problem: ANTENNA_PORT TX VSWR THRESH1 (832) Implicitly cleared: true Default probable cause: adapterError (688)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that the RF transmit power reflected back into this port exceeds the warning alarm threshold.		
Impact: The eNodeB performance is degraded due to TX losses.		

(1 of 2)

22 – Alcatel-Lucent 9xxx eNodeB alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: Check the cabling between Radio Module output and antenna. Check the connection torque value between the Radio Module and the bulkhead. If the alarm persists then reset the RFM (Macro eNB) or in case of Metro all-in-one equipment reset eNB (Metro eNB) at the next maintenance window. If this fails to clear the alarm then replace the antenna.		

(2 of 2)

Table 22-913 IK4011011 - ANTENNA_PORT TX VSWR THRESH2

Alarm	Attributes	Applicable major NE releases
Name: IK4011011 (3220) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.ENBEquipment	Severity: major Specific problem: ANTENNA_PORT TX VSWR THRESH2 (833) Implicitly cleared: true Default probable cause: adapterError (688)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that the RF transmit power reflected back into this port exceeds the urgent alarm threshold.		
Impact: The eNodeB performance is degraded due to TX losses.		
Remedial action: Check the cabling between Radio Module output and antenna. Check the connection torque value between the Radio Module and the bulkhead. If the alarm persists then reset the RFM (Macro eNB) or in case of Metro all-in-one equipment reset eNB (Metro eNB) at the next maintenance window. If this fails to clear the alarm then replace the antenna"		

Table 22-914 IK4011012 - ANTENNA_PORT RX VSWR THRESH

Alarm	Attributes	Applicable major NE releases
Name: IK4011012 (3221) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.ENBEquipment	Severity: major Specific problem: ANTENNA_PORT RX VSWR THRESH (834) Implicitly cleared: true Default probable cause: adapterError (688)	<ul style="list-style-type: none"> • LR13.1
Description: This alarm indicates that the Rx VSWR test detected a THRESH Level violation.		
Impact: The eNodeB performance is low due to RX losses.		
Remedial action: Check the cabling between RFM output and antenna. Check the connection torque value between the RFM and the bulkhead. If the alarm persists, replace the antenna.		

Table 22-915 IK4011013 - ANTENNA_PORT LNA FAIL

Alarm	Attributes	Applicable major NE releases
Name: IK4011013 (3222) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: minor Specific problem: ANTENNA_PORT LNA FAIL (835) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that the receive amplifier in the RFM or external filter module has failed.		
Impact: Reception on this port is no longer functioning, but the cell may still be partially supported on another port.		
Remedial action: Reset the RFM (Macro eNB) or in case of Metro all-in-one equipment reset eNB (Metro eNB) at the next maintenance window. If the alarm persists then replace the RFM in Macro or the Metro Equipment or the external filter module.		

Table 22-916 IK4011014 - ANTENNA_PORT TTLNA FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4011014 (3223) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: major Specific problem: ANTENNA_PORT TTLNA FAILURE (836) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that the tower-top amplifier has failed or gone into bypass.		
Impact: Reception on this port may be degraded.		
Remedial action: Replace the tower-top amplifier.		

Table 22-917 IK4011015 - ANTENNA_PORT FAULT 1

Alarm	Attributes	Applicable major NE releases
Name: IK4011015 (3224) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: major Specific problem: ANTENNA_PORT FAULT 1 (837) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: Provisioned for late churn-in. Unspecified antenna port fault		
Impact: Check the additional info for impact details.		
Remedial action: Check the additional info for maintenance action details.		

Table 22-918 IK4011016 - ANTENNA_PORT FAULT 2

Alarm	Attributes	Applicable major NE releases
Name: IK4011016 (3225) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: major Specific problem: ANTENNA_PORT FAULT 2 (838) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: Provisioned for late churn-in. Unspecified antenna port fault		
Impact: Check the additional info for impact details.		
Remedial action: Check the additional info for maintenance action details.		

Table 22-919 IK4011017 - ANTENNA_PORT FAULT 3

Alarm	Attributes	Applicable major NE releases
Name: IK4011017 (3226) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: major Specific problem: ANTENNA_PORT FAULT 3 (839) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: Provisioned for late churn-in. Unspecified antenna port fault		
Impact: Check the additional info for impact details.		
Remedial action: Check the additional info for maintenance action details.		

Table 22-920 IK4011018 - ANTENNA_PORT FAULT 4

Alarm	Attributes	Applicable major NE releases
Name: IK4011018 (3227) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: major Specific problem: ANTENNA_PORT FAULT 4 (840) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: Provisioned for late churn-in. Unspecified antenna port fault		
Impact: Check the additional info for impact details.		
Remedial action: Check the additional info for maintenance action details.		

Table 22-921 IK4011019 - ANTENNA_PORT FAULT 5

Alarm	Attributes	Applicable major NE releases
Name: IK4011019 (3228) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: major Specific problem: ANTENNA_PORT FAULT 5 (841) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: Provisioned for late churn-in. Unspecified antenna port fault		
Impact: Check the additional info for impact details.		
Remedial action: Check the additional info for maintenance action details.		

Table 22-922 IK4012000 - SCB UNREADABLE MANUFACTURER DATA

Alarm	Attributes	Applicable major NE releases
Name: IK4012000 (4023) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: major Specific problem: SCB UNREADABLE MANUFACTURER DATA (842) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates failure to read manufacturer data record. Flash is available.		
Impact: The LTE service is not possible.		
Remedial action: reset if no commissioning data is available from MIM.		

Table 22-923 IK4012001 - SCB AC MAJOR

Alarm	Attributes	Applicable major NE releases
Name: IK4012001 (4024) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: minor Specific problem: SCB AC MAJOR (843) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates internal Contact AC power fault.		
Impact: No impact on eNodeB.		
Remedial action: No action is required.		

Table 22-924 IK4012002 - SCB AC MINOR

Alarm	Attributes	Applicable major NE releases
Name: IK4012002 (4025) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.MODULE	Severity: minor Specific problem: SCB AC MINOR (844) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates internal Contact AC power fault.		
Impact: No impact on eNodeB.		
Remedial action: No action is required.		

Table 22-925 IK4012003 - SCB AC INPUT OUT OF SPEC

Alarm	Attributes	Applicable major NE releases
Name: IK4012003 (4026) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.MODULE	Severity: minor Specific problem: SCB AC INPUT OUT OF SPEC (845) Implicitly cleared: true Default probable cause: powerProblem (911)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates internal Contact AC input out of specification.		
Impact: The eNodeB is not operational.		
Remedial action: No action is required.		

Table 22-926 IK4012004 - SCB INDETERMINATE OPERATIONAL FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4012004 (4027) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.MODULE	Severity: critical Specific problem: SCB INDETERMINATE OPERATIONAL FAILURE (846) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3
Description: This alarm indicates generic SW processing failure.		
Impact: Impact will depend on the affected HW unit.		
Remedial action: Reset.		

Table 22-927 IK4012005 - SCB INITIALIZATION FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4012005 (4028) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: critical Specific problem: SCB INITIALIZATION FAILURE (847) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that it fails to properly initialize represented resources.		
Impact: The LTE service is not possible.		
Remedial action: Reset.		

Table 22-928 IK4012006 - SCB OSC LOSS

Alarm	Attributes	Applicable major NE releases
Name: IK4012006 (4029) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: critical Specific problem: SCB OSC LOSS (848) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that this is a maintenance error that indicates HW failure of the OSC.		
Impact: The module is not usable. The eNodeB is not operational.		
Remedial action: Requires eNB replacement.		

Table 22-929 IK4012007 - SCB GPS 1PPS LOSS

Alarm	Attributes	Applicable major NE releases
Name: IK4012007 (4030) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: major Specific problem: SCB GPS 1PPS LOSS (849) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates the loss of 1PPS timing to timing circuitry.		
Impact: eNodeB uses a lower priority clock reference source or goes into holdover.		
Remedial action: No action is required.		

Table 22-930 IK4012008 - SCB FILE SYSTEM ACCESS FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4012008 (4031) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.MODULE	Severity: major Specific problem: SCB FILE SYSTEM ACCESS FAILURE (850) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates the failure to access files in active or passive partition.		
Impact: Software download is not possible.		
Remedial action: No action is required.		

Table 22-931 IK4012009 - SCB FLYWHEEL CRITICAL

Alarm	Attributes	Applicable major NE releases
Name: IK4012009 (4032) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.MODULE	Severity: critical Specific problem: SCB FLYWHEEL CRITICAL (851) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates the Flywheel (free-running) time limit reached.		
Impact: The LTE service is not possible.		
Remedial action: Reset.		

Table 22-932 IK4012010 - SCB FLYWHEEL MAJOR

Alarm	Attributes	Applicable major NE releases
Name: IK4012010 (4033) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.MODULE	Severity: major Specific problem: SCB FLYWHEEL MAJOR (852) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates the Flywheel (free-running) time reached major threshold.		
Impact: If the alarm persists, it will impact the LTE service.		
Remedial action: No action is required.		

Table 22-933 IK4012011 - SCB FLYWHEEL MINOR

Alarm	Attributes	Applicable major NE releases
Name: IK4012011 (4034) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: minor Specific problem: SCB FLYWHEEL MINOR (853) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates the Flywheel (free-running) time reached minor threshold.		
Impact: If the alarm persists, it will impact the LTE service.		
Remedial action: No action is required.		

Table 22-934 IK4012012 - SCB FLYWHEEL START

Alarm	Attributes	Applicable major NE releases
Name: IK4012012 (4035) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: warning Specific problem: SCB FLYWHEEL START (854) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates the Flywheel (free-running) started.		
Impact: If the alarm persists, it will impact the LTE service.		
Remedial action: No action is required.		

Table 22-935 IK4012013 - SCB FAULT RAI CPRI PORT 1

Alarm	Attributes	Applicable major NE releases
Name: IK4012013 (4036) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: major Specific problem: SCB FAULT RAI CPRI PORT 1 (855) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates the fault of CPRI port. Change the K_IET_CMLPX_CPRI_STATE_n to (disable/failed/NA).		
Impact: Impacts the LTE service.		
Remedial action: Reset RFME.		

Table 22-936 IK4012014 - SCB FAULT RAI CPRI PORT 2

Alarm	Attributes	Applicable major NE releases
Name: IK4012014 (4037) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: major Specific problem: SCB FAULT RAI CPRI PORT 2 (856) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates the fault of CPRI port. Change the K_IET_CMPLX_CPRI_STATE_n to (disable/failed/NA).		
Impact: Impacts the LTE service.		
Remedial action: Reset RFME.		

Table 22-937 IK4012019 - SCB FAULT SDI CPRI PORT 1

Alarm	Attributes	Applicable major NE releases
Name: IK4012019 (4038) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: minor Specific problem: SCB FAULT SDI CPRI PORT 1 (857) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that SAP defects indication received.		
Impact: No impact on eNB.		
Remedial action: No action is required.		

Table 22-938 IK4012020 - SCB FAULT SDI CPRI PORT 2

Alarm	Attributes	Applicable major NE releases
Name: IK4012020 (4039) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: minor Specific problem: SCB FAULT SDI CPRI PORT 2 (858) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that SAP defects indication received.		
Impact: No impact on eNB.		
Remedial action: No action is required.		

Table 22-939 IK4012025 - SCB FAULT LOS LOF CPRI PORT 1

Alarm	Attributes	Applicable major NE releases
Name: IK4012025 (4040) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: major Specific problem: SCB FAULT LOS LOF CPRI PORT 1 (859) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates loss of signal or loss of frame. Change the K_IET_CMPLX_CPRI_STATE_n to (disable/failed/NA).		
Impact: The LTE service is not possible.		
Remedial action: No action is required.		

Table 22-940 IK4012026 - SCB FAULT LOS LOF CPRI PORT 2

Alarm	Attributes	Applicable major NE releases
Name: IK4012026 (4041) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: major Specific problem: SCB FAULT LOS LOF CPRI PORT 2 (860) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates loss of signal or loss of frame. Change the K_IET_CMPLX_CPRI_STATE_n to (disable/failed/NA).		
Impact: The LTE service is not possible.		
Remedial action: No action is required.		

Table 22-941 IK4012030 - SCB INDETERMINATE OPERATIONAL FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4012030 (5239) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: critical Specific problem: SCB INDETERMINATE OPERATIONAL FAILURE (846) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR14.1.L
Description: This alarm indicates generic SW processing failure.		
Remedial action: Reset.		

Table 22-942 IK4012031 - SCB ALL CPRI PORTS FAILED

Alarm	Attributes	Applicable major NE releases
Name: IK4012031 (4042) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: critical Specific problem: SCB ALL CPRI PORTS FAILED (861) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that all CPRI ports in use are disabled due to fault condition other than missing.		
Impact: Impacts the LTE service.		
Remedial action: No action is required.		

Table 22-943 IK4012032 - SCB OSC OVER TEMP

Alarm	Attributes	Applicable major NE releases
Name: IK4012032 (4043) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: major Specific problem: SCB OSC OVER TEMP (862) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates pluggable OSM is operating at a temperature above spec limit causing performance to be degraded.		
Impact: The LTE performance is low.		
Remedial action: No action is required.		

Table 22-944 IK4012033 - SCB SYSTEM CLOCK UNAVAILABLE

Alarm	Attributes	Applicable major NE releases
Name: IK4012033 (4044) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: critical Specific problem: SCB SYSTEM CLOCK UNAVAILABLE (863) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that the system clock is not available. The alarm is applicable for 1588 system clock, syncE, GPS and external reference sources.		
Impact: Impacts the LTE service.		
Remedial action: Check the synchronization sources and provisioning.		

Table 22-945 IK4012034 - SCB LOSS OF PRIMARY REFERENCE

Alarm	Attributes	Applicable major NE releases
Name: IK4012034 (4045) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.MODULE	Severity: minor Specific problem: SCB LOSS OF PRIMARY REFERENCE (864) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that the primary reference source is not available.		
Impact: If the reference resource is immediately rectified, there is no impact on eNodeB.		
Remedial action: Check the primary reference source.		

Table 22-946 IK4012035 - SCB LOSS OF SYNCE

Alarm	Attributes	Applicable major NE releases
Name: IK4012035 (4046) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.MODULE	Severity: minor Specific problem: SCB LOSS OF SYNCE (865) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that Ethernet clock is insufficient to maintain 50ppb on the air interface.		
Impact: If the reference resource is immediately rectified, there is no impact on eNodeB.		
Remedial action: No action is required.		

Table 22-947 IK4012036 - SCB GPS ANT

Alarm	Attributes	Applicable major NE releases
Name: IK4012036 (4047) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.MODULE	Severity: major Specific problem: SCB GPS ANT (866) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates GPS Antenna failure. Set only if GPS sync source is enabled.		
Impact: If the reference resource is immediately rectified, there is no impact on eNodeB.		
Remedial action: No action is required.		

Table 22-948 IK4012037 - SCB GPS RECEIVER

Alarm	Attributes	Applicable major NE releases
Name: IK4012037 (4048) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.MODULE	Severity: major Specific problem: SCB GPS RECEIVER (867) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that the GPS receiver has failed and cannot provide a timing reference signal.		
Impact: If the reference resource is immediately rectified, there is no impact on eNodeB.		
Remedial action: No action is required.		

Table 22-949 IK4012038 - SCB GPS RECEIVER COMM FAIL

Alarm	Attributes	Applicable major NE releases
Name: IK4012038 (4049) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.MODULE	Severity: major Specific problem: SCB GPS RECEIVER COMM FAIL (868) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates the GPS receiver communication failure.		
Impact: If the reference resource is immediately rectified, there is no impact on eNodeB.		
Remedial action: No action is required.		

Table 22-950 IK4012039 - SCB GPS ANT POSITION UNKNOWN

Alarm	Attributes	Applicable major NE releases
Name: IK4012039 (4050) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.MODULE	Severity: minor Specific problem: SCB GPS ANT POSITION UNKNOWN (869) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates GPS antenna position unknown. Set only if Geo-Based location service required.		
Impact: Impacts the location-based service.		
Remedial action: Check the position of the GPS antenna.		

Table 22-951 IK4012040 - SCB OVER TEMP MAJOR

Alarm	Attributes	Applicable major NE releases
Name: IK4012040 (4051) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: major Specific problem: SCB OVER TEMP MAJOR (870) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that the CCM temperature is rising near the shutdown limit.		
Impact: If the alarm persists, it will impact the LTE service.		
Remedial action: No action is required.		

Table 22-952 IK4012041 - SCB OVER TEMP CRITICAL

Alarm	Attributes	Applicable major NE releases
Name: IK4012041 (4052) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: critical Specific problem: SCB OVER TEMP CRITICAL (871) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that the CCM temperature is above operating range.		
Impact: The LTE service is still possible until auto shutdown.		
Remedial action: Board will autonomously power down.		

Table 22-953 IK4012042 - SCB PTP LOSS OF PRIMARY SYNCHRONIZATION

Alarm	Attributes	Applicable major NE releases
Name: IK4012042 (4053) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: minor Specific problem: SCB PTP LOSS OF PRIMARY SYNCHRONIZATION (872) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates indicate the lack of SYNCH message from the primary server when SYNCH messages have not been received for the period set by the SYNCH_RECEIPT_TIMEOUT_EXPIRES event in the client .		
Impact: If the reference resource is immediately rectified, there is no impact on eNodeB.		
Remedial action: No action is required.		

Table 22-954 IK4012043 - SCB PTP LOSS OF SECONDARY SYNCHRONIZATION

Alarm	Attributes	Applicable major NE releases
Name: IK4012043 (4054) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: minor Specific problem: SCB PTP LOSS OF SECONDARY SYNCHRONIZATION (873) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates indicate the lack of SYNCH message from the secondary server when SYNCH messages have not been received for the period set by the SYNCH_RECEIPT_TIMEOUT_EXPIRES event in the client .		
Impact: If the reference resource is immediately rectified, there is no impact on eNodeB.		
Remedial action: No action is required.		

Table 22-955 IK4012044 - SCB UNEXPECTED LONG INITIALIZATION

Alarm	Attributes	Applicable major NE releases
Name: IK4012044 (4055) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: minor Specific problem: SCB UNEXPECTED LONG INITIALIZATION (874) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that PTP engine has taken longer than expected to achieve complete synchronization.		
Impact: The LTE service is not possible with 1588 PTP as synchronization reference. However, the eNB may synchronize to an alternative available source.		
Remedial action: No action is required.		

Table 22-956 IK4012045 - SCB PTP CLIENT INITIALIZING 1

Alarm	Attributes	Applicable major NE releases
Name: IK4012045 (4056) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: warning Specific problem: SCB PTP CLIENT INITIALIZING 1 (875) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that the alarm is active on cold-start when the primary Grandmaster server is in the initializing state.		
Impact: If the reference resource is immediately rectified, there is no impact on eNodeB.		
Remedial action: No action is required.		

Table 22-957 IK4012046 - SCB PTP CLIENT INITIALIZING 2

Alarm	Attributes	Applicable major NE releases
Name: IK4012046 (4057) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: warning Specific problem: SCB PTP CLIENT INITIALIZING 2 (876) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that the alarm is active on cold-start when the secondary Grandmaster server is in the initializing state.		
Impact: If the reference resource is immediately rectified, there is no impact on eNodeB.		
Remedial action: No action is required.		

Table 22-958 IK4012047 - SCB GPS LOCK FAILURE CRITICAL

Alarm	Attributes	Applicable major NE releases
Name: IK4012047 (4058) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: minor Specific problem: SCB GPS LOCK FAILURE CRITICAL (877) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that GPS is not locked.		
Impact: If the alarm persists, it will impact the LTE service.		
Remedial action: No action is required.		

Table 22-959 IK4012048 - SCB LOOPBACK INACTIVITY

Alarm	Attributes	Applicable major NE releases
Name: IK4012048 (4059) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: warning Specific problem: SCB LOOPBACK INACTIVITY (878) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates there is no packet activity for the interval specified in the loopback activation.		
Impact: No impact on eNodeB.		
Remedial action: No action is required.		

Table 22-960 IK4012049 - SCB INIT GPS SELF SURVEY

Alarm	Attributes	Applicable major NE releases
Name: IK4012049 (4060) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: major Specific problem: SCB INIT GPS SELF SURVEY (879) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that if high accuracy GPS self survey has not been successfully completed after 24 hours. This survey will continue after the fault is raised until either it completes successful or long survey is disabled.		
Impact: Synchronization accuracy too low to support OTDOA.		
Remedial action: No action is required.		

Table 22-961 IK4012050 - SCB INIT GPS SELF SURVEY INPROGRESS

Alarm	Attributes	Applicable major NE releases
Name: IK4012050 (4061) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: warning Specific problem: SCB INIT GPS SELF SURVEY INPROGRESS (880) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that it is raised to represents the (10hour) self survey time required upon initial GPS lock, for the eNB to gain its GPS location to the accuracy required to support OTDOA.		
Impact: No impact on eNodeB.		
Remedial action: No action is required.		

Table 22-962 IK4012051 - SCB GPS INSUFFICIENT FIXED SATELLITES

Alarm	Attributes	Applicable major NE releases
Name: IK4012051 (4062) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: major Specific problem: SCB GPS INSUFFICIENT FIXED SATELLITES (881) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that the available fixed satellites are less than the required ones to get GPS synchronization. The alarm will only be generated when GPS is configured as the synchronization source.		
Impact: The GPS synchronisation is not possible.		
Remedial action: No action is required.		

Table 22-963 IK4012052 - SCB LAYER 1 SOFTWARE WARNING 1

Alarm	Attributes	Applicable major NE releases
Name: IK4012052 (4063) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.MODULE	Severity: warning Specific problem: SCB LAYER 1 SOFTWARE WARNING 1 (882) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates a Layer 1 software warning.		
Impact: No impact on eNodeB.		
Remedial action: No action is required.		

Table 22-964 IK4012053 - SCB LAYER 1 SOFTWARE WARNING 2

Alarm	Attributes	Applicable major NE releases
Name: IK4012053 (4064) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.MODULE	Severity: warning Specific problem: SCB LAYER 1 SOFTWARE WARNING 2 (883) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates a Layer 1 software warning.		
Impact: No impact on eNodeB.		
Remedial action: No action is required.		

Table 22-965 IK4012054 - SCB LAYER 1 SOFTWARE WARNING 3

Alarm	Attributes	Applicable major NE releases
Name: IK4012054 (4065) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.MODULE	Severity: warning Specific problem: SCB LAYER 1 SOFTWARE WARNING 3 (884) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates a Layer 1 software warning.		
Impact: No impact on eNodeB.		
Remedial action: No action is required.		

Table 22-966 IK4012055 - SCB LAYER 2 SOFTWARE WARNING 1

Alarm	Attributes	Applicable major NE releases
Name: IK4012055 (4066) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.MODULE	Severity: warning Specific problem: SCB LAYER 2 SOFTWARE WARNING 1 (885) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates a Layer 2 software warning.		
Impact: No impact on eNodeB.		
Remedial action: No action is required.		

Table 22-967 IK4012056 - SCB LAYER 2 SOFTWARE WARNING 2

Alarm	Attributes	Applicable major NE releases
Name: IK4012056 (4067) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.MODULE	Severity: warning Specific problem: SCB LAYER 2 SOFTWARE WARNING 2 (886) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates a Layer 2 software warning.		
Impact: No impact on eNodeB.		
Remedial action: No action is required.		

Table 22-968 IK4012057 - SCB LAYER 2 SOFTWARE WARNING 3

Alarm	Attributes	Applicable major NE releases
Name: IK4012057 (4068) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.MODULE	Severity: warning Specific problem: SCB LAYER 2 SOFTWARE WARNING 3 (887) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates a Layer 2 software warning.		
Impact: No impact on eNodeB.		
Remedial action: No action is required.		

Table 22-969 IK4012058 - SCB LED FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4012058 (4069) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: minor Specific problem: SCB LED FAILURE (888) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates a failure to control face-plate LEDs.		
Impact: No impact on eNodeB.		
Remedial action: No action is required.		

Table 22-970 IK4012059 - SCB DIV IMBALANCE 1

Alarm	Attributes	Applicable major NE releases
Name: IK4012059 (4070) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: major Specific problem: SCB DIV IMBALANCE 1 (889) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates Diversity imbalance fault.		
Impact: No impact on eNodeB.		
Remedial action: No action is required.		

Table 22-971 IK4012060 - SCB DIV IMBALANCE 2

Alarm	Attributes	Applicable major NE releases
Name: IK4012060 (4071) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: major Specific problem: SCB DIV IMBALANCE 2 (890) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates Diversity imbalance fault.		
Impact: No impact on eNodeB.		
Remedial action: No action is required.		

Table 22-972 IK4012061 - SCB DIV IMBALANCE 3

Alarm	Attributes	Applicable major NE releases
Name: IK4012061 (4072) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: major Specific problem: SCB DIV IMBALANCE 3 (891) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates Diversity imbalance fault.		
Impact: No impact on eNodeB.		
Remedial action: No action is required.		

Table 22-973 IK4012062 - METRO BOX DOOR ALARM

Alarm	Attributes	Applicable major NE releases
Name: IK4012062 (4073) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: minor Specific problem: METRO BOX DOOR ALARM (892) Implicitly cleared: true Default probable cause: enclosureDoorOpen (900)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that the Metro box was opened.		
Impact: The eNodeB equipment is accessible and easily tampered. No immediate impact on call processing.		
Remedial action: No action is required.		

Table 22-974 IK4012063 - SCB FAULT 1

Alarm	Attributes	Applicable major NE releases
Name: IK4012063 (4074) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: minor Specific problem: SCB FAULT 1 (609) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: Provisioned for late churn-in. Unspecified SCB fault detected		
Impact: Check the additional info for impact details.		
Remedial action: No action is required.		

Table 22-975 IK4012064 - SCB FAULT 2

Alarm	Attributes	Applicable major NE releases
Name: IK4012064 (4075) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: minor Specific problem: SCB FAULT 2 (610) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: Provisioned for late churn-in. Unspecified SCB fault detected		
Impact: Check the additional info for impact details.		
Remedial action: No action is required.		

Table 22-976 IK4012065 - SCB FAULT 3

Alarm	Attributes	Applicable major NE releases
Name: IK4012065 (4076) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: minor Specific problem: SCB FAULT 3 (611) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: Provisioned for late churn-in. Unspecified SCB fault detected		
Impact: Check the additional info for impact details.		
Remedial action: No action is required.		

Table 22-977 IK4012066 - SCB FAULT 4

Alarm	Attributes	Applicable major NE releases
Name: IK4012066 (4077) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: minor Specific problem: SCB FAULT 4 (893) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: Provisioned for late churn-in. Unspecified SCB fault detected		
Impact: Check the additional info for impact details.		
Remedial action: No action is required.		

Table 22-978 IK4012067 - SCB FAULT 5

Alarm	Attributes	Applicable major NE releases
Name: IK4012067 (4078) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: minor Specific problem: SCB FAULT 5 (894) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: Provisioned for late churn-in. Unspecified SCB fault detected		
Impact: Check the additional info for impact details.		
Remedial action: No action is required.		

Table 22-979 IK4012068 - SCB GPS LOCK FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4012068 (4691) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: minor Specific problem: SCB GPS LOCK FAILURE (895) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that GPS satellite lock has been lost after timing has been synchronized.		
Impact: The alarm will impact LTE service if the fault persists past the timing holdover period.		
Remedial action: Check the GPS antenna placement, GPS antenna status, or GPS antenna cable. Replace the External GPS Receiver or SCB (if using internal GPS receiver).		

Table 22-980 IK4012069 - SCB GPS INSUFFICIENT VISIBLE SATELLITES

Alarm	Attributes	Applicable major NE releases
Name: IK4012069 (4692) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: warning Specific problem: SCB GPS INSUFFICIENT VISIBLE SATELLITES (896) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that insufficient visible satellites are available to get GPS synchronization.		
Impact: GPS synchronisation is not possible.		
Remedial action: Check the GPS antenna location and status. Replace GPS antenna, cable or receiver if necessary.		

Table 22-981 IK4012070 - SCB L1 SOFTWARE FAIL SLICE 1

Alarm	Attributes	Applicable major NE releases
Name: IK4012070 (4693) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.MODULE	Severity: major Specific problem: SCB L1 SOFTWARE FAIL SLICE 1 (897) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates a software failure on the Modem Function.		
Impact: LTE service is not possible on this modem slice.		
Remedial action: Reset the modem.		

Table 22-982 IK4012071 - SCB L1 SOFTWARE FAIL SLICE 2

Alarm	Attributes	Applicable major NE releases
Name: IK4012071 (4694) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.MODULE	Severity: major Specific problem: SCB L1 SOFTWARE FAIL SLICE 2 (898) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates a software failure on the Modem Function.		
Impact: LTE service is not possible on this modem slice.		
Remedial action: Reset the modem.		

Table 22-983 IK4012072 - SCB L1 SOFTWARE FAIL SLICE 3

Alarm	Attributes	Applicable major NE releases
Name: IK4012072 (4695) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.MODULE	Severity: major Specific problem: SCB L1 SOFTWARE FAIL SLICE 3 (899) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates a software failure on the Modem Function.		
Impact: LTE service is not possible on this modem slice.		
Remedial action: Reset the modem.		

Table 22-984 IK4012073 - SCB L1 HARDWARE FAIL

Alarm	Attributes	Applicable major NE releases
Name: IK4012073 (4696) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: critical Specific problem: SCB L1 HARDWARE FAIL (900) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates a Layer 1 hardware failure.		
Impact: LTE service is not possible on the modem.		
Remedial action: Reset the Modem Function, replace the eNodeB if the problem persists.		

Table 22-985 IK4012074 - SCB L2 SOFTWARE FAIL SLICE 1

Alarm	Attributes	Applicable major NE releases
Name: IK4012074 (4697) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.MODULE	Severity: major Specific problem: SCB L2 SOFTWARE FAIL SLICE 1 (901) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates a software failure on the Modem Function.		
Impact: LTE service is not possible on the modem.		
Remedial action: Reset the modem.		

Table 22-986 IK4012075 - SCB L2 SOFTWARE FAIL SLICE 2

Alarm	Attributes	Applicable major NE releases
Name: IK4012075 (4698) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.MODULE	Severity: major Specific problem: SCB L2 SOFTWARE FAIL SLICE 2 (902) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates a software failure on the Modem Function.		
Impact: LTE service is not possible on the modem.		
Remedial action: Reset the modem.		

Table 22-987 IK4012076 - SCB L2 SOFTWARE FAIL SLICE 3

Alarm	Attributes	Applicable major NE releases
Name: IK4012076 (4699) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.MODULE	Severity: major Specific problem: SCB L2 SOFTWARE FAIL SLICE 3 (903) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates a software failure on the Modem Function.		
Impact: LTE service is not possible on the modem.		
Remedial action: Reset the modem.		

Table 22-988 IK4012077 - BTS PACKAGE TYPE NOT RECOGNIZED

Alarm	Attributes	Applicable major NE releases
Name: IK4012077 (4700) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: major Specific problem: BTS PACKAGE TYPE NOT RECOGNIZED (904) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates the BTS package type is not recognized.		
Impact: Unknown.		
Remedial action: Re-configure to correct BTS package type.		

Table 22-989 IK4013000 - RFME COMM FAIL

Alarm	Attributes	Applicable major NE releases
Name: IK4013000 (4079) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFME	Severity: critical Specific problem: RFME COMM FAIL (905) Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates the loss of RFME communication.		
Impact: The module is not usable. The LTE cells associated with this module are not operational.		
Remedial action: No action is required.		

Table 22-990 IK4013001 - RFME UNDER TEMP

Alarm	Attributes	Applicable major NE releases
Name: IK4013001 (4080) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFME	Severity: minor Specific problem: RFME UNDER TEMP (906) Implicitly cleared: true Default probable cause: heatingOrVentilationOrCoolingSystemProblem (701)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that the RFME ambient temperature is low.		
Impact: No impact on eNodeB.		
Remedial action: No action is required.		

Table 22-991 IK4013002 - RFME WARM UP

Alarm	Attributes	Applicable major NE releases
Name: IK4013002 (4081) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFME	Severity: critical Specific problem: RFME WARM UP (907) Implicitly cleared: true Default probable cause: heatingOrVentilationOrCoolingSystemProblem (701)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that the RFME ambient temperature is too low.		
Impact: The module is not usable. The LTE cells associated with this module are not operational.		
Remedial action: Wait.		

Table 22-992 IK4013003 - RFME OVER TEMP WARNING

Alarm	Attributes	Applicable major NE releases
Name: IK4013003 (4082) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFME	Severity: minor Specific problem: RFME OVER TEMP WARNING (908) Implicitly cleared: true Default probable cause: heatingOrVentilationOrCoolingSystemProblem (701)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that the RFME ambient temperature is high.		
Impact: No impact on eNodeB.		
Remedial action: No action is required.		

Table 22-993 IK4013004 - RFME CRITICAL TEMP

Alarm	Attributes	Applicable major NE releases
Name: IK4013004 (4083) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFME	Severity: critical Specific problem: RFME CRITICAL TEMP (909) Implicitly cleared: true Default probable cause: heatingOrVentilationOrCoolingSystemProblem (701)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that the RFME temperature is high.		
Impact: The module is not usable. The LTE cells associated with this module are not operational.		
Remedial action: Disable.		

Table 22-994 IK4013005 - RFME ST CRITICAL FAIL

Alarm	Attributes	Applicable major NE releases
Name: IK4013005 (4084) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFME	Severity: critical Specific problem: RFME ST CRITICAL FAIL (910) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates the RFME Hardware failure.		
Impact: The module is not usable. The LTE cells associated with this module are not operational.		
Remedial action: Init.		

Table 22-995 IK4013006 - RFME INIT FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4013006 (4085) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFME	Severity: critical Specific problem: RFME INIT FAILURE (911) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates the RFME initialization failure.		
Impact: The module is not usable. The LTE cells associated with this module are not operational.		
Remedial action: Init.		

Table 22-996 IK4013007 - RFME SOFTWARE FAIL

Alarm	Attributes	Applicable major NE releases
Name: IK4013007 (4086) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFME	Severity: critical Specific problem: RFME SOFTWARE FAIL (912) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> • LR13.1
Description: This alarm indicates the RFME software failure.		
Impact: The module is not usable. The LTE cells associated with this module are not operational.		
Remedial action: Init.		

Table 22-997 IK4013008 - RFME SIGNAL QUALITY

Alarm	Attributes	Applicable major NE releases
Name: IK4013008 (4087) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFME	Severity: major Specific problem: RFME SIGNAL QUALITY (913) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates the RFME signal quality.		
Impact: The module is not usable. The LTE cells associated with this module may not be operational.		
Remedial action: No action is required.		

Table 22-998 IK4013009 - RFME INPUT VOLTAGE FAIL

Alarm	Attributes	Applicable major NE releases
Name: IK4013009 (4088) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFME	Severity: major Specific problem: RFME INPUT VOLTAGE FAIL (914) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that the input voltage is very high or very low.		
Impact: If the RRH is not usable, the associated LTE cells are not operational.		
Remedial action: No action is required.		

Table 22-999 IK4013010 - RFME PWR CONVERTER FAIL

Alarm	Attributes	Applicable major NE releases
Name: IK4013010 (4089) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFME	Severity: critical Specific problem: RFME PWR CONVERTER FAIL (915) Implicitly cleared: true Default probable cause: powerProblem (911)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: The RFME internal power converter has failed.		
Impact: The module is not usable. The LTE cells associated with this module are not operational.		
Remedial action: Init.		

Table 22-1000 IK4013011 - RFME CLOCK FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4013011 (4090) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFME	Severity: critical Specific problem: RFME CLOCK FAILURE (916) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: The RFME cannot derive proper clock signal from the incoming CPRI link.		
Impact: The module is not usable. The LTE cells associated with this module are not operational.		
Remedial action: Init		

Table 22-1001 IK4013012 - RFME RF SYNTH FAIL

Alarm	Attributes	Applicable major NE releases
Name: IK4013012 (4091) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFME	Severity: critical Specific problem: RFME RF SYNTH FAIL (917) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: The RFME internal frequency synthesizer is out of lock.		
Impact: The module is not usable. The LTE cells associated with this module are not operational.		
Remedial action: Init.		

Table 22-1002 IK4013015 - RFME UNREADABLE MANUFACTURER DATA

Alarm	Attributes	Applicable major NE releases
Name: IK4013015 (4092) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFME	Severity: warning Specific problem: RFME UNREADABLE MANUFACTURER DATA (918) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates the failure to read the manufacturer data.		
Impact: Cells related to RRH are out of service.		
Remedial action: Init		

Table 22-1003 IK4013016 - RFME FAULT DOWNLOAD FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4013016 (4093) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFME	Severity: minor Specific problem: RFME FAULT DOWNLOAD FAILURE (919) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates a software download failure.		
Impact: No impact on eNodeB.		
Remedial action: No action is required.		

Table 22-1004 IK4013017 - RFME BIST PARTIAL

Alarm	Attributes	Applicable major NE releases
Name: IK4013017 (4094) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFME	Severity: major Specific problem: RFME BIST PARTIAL (920) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that at least one failure was detected during power on self-test, but the unit may still be functional, though in a degraded state.		
Impact: The eNodeB performance is low.		
Remedial action: No action is required.		

Table 22-1005 IK4013018 - RFME LINK LOF PORT1

Alarm	Attributes	Applicable major NE releases
Name: IK4013018 (4095) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFME	Severity: major Specific problem: RFME LINK LOF PORT1 (921) Implicitly cleared: true Default probable cause: inputDeviceError (704)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that framing cannot be recovered at the slave link port. This alarm is enabled only after the link is established.		
Impact: Possibly repetitions at higher levels. The capacity of the module can be reduced.		
Remedial action: No action is required.		

Table 22-1006 IK4013019 - RFME LINK LOF PORT2

Alarm	Attributes	Applicable major NE releases
Name: IK4013019 (4096) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFME	Severity: major Specific problem: RFME LINK LOF PORT2 (922) Implicitly cleared: true Default probable cause: inputDeviceError (704)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that framing cannot be recovered at the slave link port. This alarm is enabled only after the link is established.		
Impact: Possibly repetitions at higher levels. The capacity of the module can be reduced.		
Remedial action: No action is required.		

Table 22-1007 IK4013020 - RFME LINK LOF PORT3

Alarm	Attributes	Applicable major NE releases
Name: IK4013020 (4097) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFME	Severity: major Specific problem: RFME LINK LOF PORT3 (923) Implicitly cleared: true Default probable cause: inputDeviceError (704)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that framing cannot be recovered at the slave link port. This alarm is enabled only after the link is established.		
Impact: Possibly repetitions at higher levels. The capacity of the module can be reduced.		
Remedial action: No action is required.		

Table 22-1008 IK4013021 - RFME LINK LOS PORT1

Alarm	Attributes	Applicable major NE releases
Name: IK4013021 (4098) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFME	Severity: major Specific problem: RFME LINK LOS PORT1 (924) Implicitly cleared: true Default probable cause: inputDeviceError (704)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that no signal is detected at the link port. This alarm is enabled only after the link is established.		
Impact: Possibly repetitions at higher levels. The capacity of the module can be reduced.		
Remedial action: No action is required.		

Table 22-1009 IK4013022 - RFME LINK LOS PORT2

Alarm	Attributes	Applicable major NE releases
Name: IK4013022 (4099) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFME	Severity: major Specific problem: RFME LINK LOS PORT2 (925) Implicitly cleared: true Default probable cause: inputDeviceError (704)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that no signal is detected at the link port. This alarm is enabled only after the link is established.		
Impact: Possibly repetitions at higher levels. The capacity of the module can be reduced.		
Remedial action: No action is required.		

Table 22-1010 IK4013023 - RFME LINK LOS PORT3

Alarm	Attributes	Applicable major NE releases
Name: IK4013023 (4100) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFME	Severity: major Specific problem: RFME LINK LOS PORT3 (926) Implicitly cleared: true Default probable cause: inputDeviceError (704)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that no signal is detected at the link port. This alarm is enabled only after the link is established.		
Impact: Possibly repetitions at higher levels. The capacity of the module can be reduced.		
Remedial action: No action is required.		

Table 22-1011 IK4013024 - RFME LINK RAI PORT1

Alarm	Attributes	Applicable major NE releases
Name: IK4013024 (4101) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFME	Severity: major Specific problem: RFME LINK RAI PORT1 (927) Implicitly cleared: true Default probable cause: inputDeviceError (704)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that the incoming slave link RAI bit is set.		
Impact: Possibly repetitions at higher levels. The capacity of the module can be reduced.		
Remedial action: No action is required.		

Table 22-1012 IK4013025 - RFME LINK RAI PORT2

Alarm	Attributes	Applicable major NE releases
Name: IK4013025 (4102) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFME	Severity: major Specific problem: RFME LINK RAI PORT2 (928) Implicitly cleared: true Default probable cause: inputDeviceError (704)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that the incoming slave link RAI bit is set.		
Impact: Possibly repetitions at higher levels. The capacity of the module can be reduced.		
Remedial action: No action is required.		

Table 22-1013 IK4013026 - RFME LINK RAI PORT3

Alarm	Attributes	Applicable major NE releases
Name: IK4013026 (4103) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFME	Severity: major Specific problem: RFME LINK RAI PORT3 (929) Implicitly cleared: true Default probable cause: inputDeviceError (704)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that the incoming slave link RAI bit is set.		
Impact: Possibly repetitions at higher levels. The capacity of the module can be reduced.		
Remedial action: No action is required.		

Table 22-1014 IK4013027 - RFME SIGNAL LOW PORT1

Alarm	Attributes	Applicable major NE releases
Name: IK4013027 (4104) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFME	Severity: minor Specific problem: RFME SIGNAL LOW PORT1 (930) Implicitly cleared: true Default probable cause: inputDeviceError (704)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that the optical signal strength is very low on the slave link port.		
Impact: No impact on eNodeB.		
Remedial action: No action is required.		

Table 22-1015 IK4013028 - RFME SIGNAL LOW PORT2

Alarm	Attributes	Applicable major NE releases
Name: IK4013028 (4105) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFME	Severity: minor Specific problem: RFME SIGNAL LOW PORT2 (931) Implicitly cleared: true Default probable cause: inputDeviceError (704)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that the optical signal strength is very low on the slave link port.		
Impact: No impact on eNodeB.		
Remedial action: No action is required.		

Table 22-1016 IK4013029 - RFME SIGNAL LOW PORT3

Alarm	Attributes	Applicable major NE releases
Name: IK4013029 (4106) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFME	Severity: minor Specific problem: RFME SIGNAL LOW PORT3 (932) Implicitly cleared: true Default probable cause: inputDeviceError (704)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that the optical signal strength is very low on the slave link port.		
Impact: No impact on eNodeB.		
Remedial action: No action is required.		

Table 22-1017 IK4013030 - RFME BER PORT1

Alarm	Attributes	Applicable major NE releases
Name: IK4013030 (4107) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFME	Severity: minor Specific problem: RFME BER PORT1 (933) Implicitly cleared: true Default probable cause: inputDeviceError (704)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates excessive bit errors on the CPRI link.		
Impact: No impact on eNodeB.		
Remedial action: No action is required.		

Table 22-1018 IK4013031 - RFME BER PORT2

Alarm	Attributes	Applicable major NE releases
Name: IK4013031 (4108) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFME	Severity: minor Specific problem: RFME BER PORT2 (934) Implicitly cleared: true Default probable cause: inputDeviceError (704)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates excessive bit errors on the CPRI link.		
Impact: No impact on eNodeB.		
Remedial action: No action is required.		

Table 22-1019 IK4013032 - RFME BER PORT3

Alarm	Attributes	Applicable major NE releases
Name: IK4013032 (4109) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFME	Severity: minor Specific problem: RFME BER PORT3 (935) Implicitly cleared: true Default probable cause: inputDeviceError (704)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates excessive bit errors on the CPRI link.		
Impact: No impact on eNodeB.		
Remedial action: No action is required.		

Table 22-1020 IK4013033 - RFME SIGNAL SDI PORT1

Alarm	Attributes	Applicable major NE releases
Name: IK4013033 (4110) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFME	Severity: major Specific problem: RFME SIGNAL SDI PORT1 (936) Implicitly cleared: true Default probable cause: inputDeviceError (704)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that the incoming CPRI link SDI bit is set.		
Impact: No impact on eNodeB.		
Remedial action: No action is required.		

Table 22-1021 IK4013034 - RFME SIGNAL SDI PORT2

Alarm	Attributes	Applicable major NE releases
Name: IK4013034 (4111) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFME	Severity: major Specific problem: RFME SIGNAL SDI PORT2 (937) Implicitly cleared: true Default probable cause: inputDeviceError (704)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that the incoming CPRI link SDI bit is set.		
Impact: No impact on eNodeB.		
Remedial action: No action is required.		

Table 22-1022 IK4013035 - RFME SIGNAL SDI PORT3

Alarm	Attributes	Applicable major NE releases
Name: IK4013035 (4112) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFME	Severity: major Specific problem: RFME SIGNAL SDI PORT3 (938) Implicitly cleared: true Default probable cause: inputDeviceError (704)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that the incoming CPRI link SDI bit is set.		
Impact: No impact on eNodeB.		
Remedial action: No action is required.		

Table 22-1023 IK4013036 - RFME MESSAGE THROTTLING

Alarm	Attributes	Applicable major NE releases
Name: IK4013036 (4113) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFME	Severity: minor Specific problem: RFME MESSAGE THROTTLING (939) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates the RF is generating too many messages over the CPRI link.		
Impact: No impact on eNodeB.		
Remedial action: No action is required.		

Table 22-1024 IK4013037 - RFME FAULT 1

Alarm	Attributes	Applicable major NE releases
Name: IK4013037 (4114) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFME	Severity: minor Specific problem: RFME FAULT 1 (940) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: Provisioned for late churn-in. Unspecified RFME fault detected		
Impact: Check the additional info for impact details.		
Remedial action: No action is required.		

Table 22-1025 IK4013038 - RFME FAULT 2

Alarm	Attributes	Applicable major NE releases
Name: IK4013038 (4115) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFME	Severity: minor Specific problem: RFME FAULT 2 (941) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: Provisioned for late churn-in. Unspecified RFME fault detected		
Impact: Check the additional info for impact details.		
Remedial action: No action is required.		

Table 22-1026 IK4013039 - RFME FAULT 3

Alarm	Attributes	Applicable major NE releases
Name: IK4013039 (4116) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFME	Severity: minor Specific problem: RFME FAULT 3 (942) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: Provisioned for late churn-in. Unspecified RFME fault detected		
Impact: Check the additional info for impact details.		
Remedial action: No action is required.		

Table 22-1027 IK4013040 - RFME FAULT 4

Alarm	Attributes	Applicable major NE releases
Name: IK4013040 (4117) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFME	Severity: minor Specific problem: RFME FAULT 4 (943) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: Provisioned for late churn-in. Unspecified RFME fault detected		
Impact: Check the additional info for impact details.		
Remedial action: No action is required.		

Table 22-1028 IK4013041 - RFME FAULT 5

Alarm	Attributes	Applicable major NE releases
Name: IK4013041 (4118) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFME	Severity: minor Specific problem: RFME FAULT 5 (944) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: Provisioned for late churn-in. Unspecified RFME fault detected		
Impact: Check the additional info for impact details.		
Remedial action: No action is required.		

Table 22-1029 IK4014001 - MEDO DETECTION FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4014001 (4701) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: critical Specific problem: MEDO DETECTION FAILURE (947) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates the failure to detect the presence of MEDO.		
Impact: OAM: Metro Dock reporting degraded. May impact Telecom Service		
Remedial action: Call the next level of support.		

Table 22-1030 IK4014002 - MEDO MEMORY ACCES FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4014002 (4702) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: minor Specific problem: MEDO MEMORY ACCES FAILURE (948) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3
Description: This alarm indicates the failure to access the EEPROM on the Metro Dock		
Impact: OAM: Metro Dock reporting degraded no impact on Telecom Service		
Remedial action: Call the next level of support.		

Table 22-1031 IK4014003 - MEDO UNREADABLE MANUFACTURER DATA

Alarm	Attributes	Applicable major NE releases
Name: IK4014003 (4703) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: minor Specific problem: MEDO UNREADABLE MANUFACTURER DATA (949) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates the failure to read the manufacturer data.		
Impact: OAM: Metro Dock reporting degraded no impact on Telecom Service		
Remedial action: Call the next level of support.		

Table 22-1032 IK4014007 - MEDO FAULT 4

Alarm	Attributes	Applicable major NE releases
Name: IK4014007 (4704) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.ENBEquipment	Severity: minor Specific problem: MEDO FAULT 4 (950) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: Provisioned for late churn-in. This is a spare alarm for MEDO for future use.		
Impact: Refer to additional information in the alarm report.		
Remedial action: Refer to additional information in the alarm report.		

Table 22-1033 IK4014008 - MEDO FAULT 5

Alarm	Attributes	Applicable major NE releases
Name: IK4014008 (4705) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.ENBEquipment	Severity: minor Specific problem: MEDO FAULT 5 (951) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: Provisioned for late churn-in. This is a spare alarm for MEDO for future use.		
Impact: Refer to additional information in the alarm report.		
Remedial action: Refer to additional information in the alarm report.		

Table 22-1034 IK4014009 - MEDO MEMORY ACCESS FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4014009 (4998) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.ENBEquipment	Severity: minor Specific problem: MEDO MEMORY ACCESS FAILURE (952) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.3 • LR14.1.L
Description: This alarm indicates the failure to access the EEPROM on the Metro Dock		
Impact: OAM: Metro Dock reporting degraded no impact on Telecom Service		
Remedial action: Call the next level of support.		

Table 22-1035 IK4015000 - BB FAILURE SLAVE SOC 2

Alarm	Attributes	Applicable major NE releases
Name: IK4015000 (5240) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: critical Specific problem: BB FAILURE SLAVE SOC 2 (953) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates a failure of a Slave SOC.		
Remedial action: The faulty unit is automatically reset to attempt to clear the fault. Replace the BB If the problem persists.		

Table 22-1036 IK4015001 - BB FAILURE SLAVE SOC 3

Alarm	Attributes	Applicable major NE releases
Name: IK4015001 (5241) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: critical Specific problem: BB FAILURE SLAVE SOC 3 (954) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates a failure of a Slave SOC.		
Remedial action: The faulty unit is automatically reset to attempt to clear the fault. Replace the BB If the problem persists.		

Table 22-1037 IK4015002 - BB CARD FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4015002 (5242) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: critical Specific problem: BB CARD FAILURE (955) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates a failure of modem board.		
Remedial action: The modem board is automatically reset to attempt to clear the fault. Replace the BB If the problem persists.		

Table 22-1038 IK4015007 - BB TRANS LSL CPRI PORT 1

Alarm	Attributes	Applicable major NE releases
Name: IK4015007 (5243) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: minor Specific problem: BB TRANS LSL CPRI PORT 1 (956) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR14.1.L
Description: The incoming optical signal level for this CPRI port is very low.		
Remedial action: Check the CPRI link connections, cables, and SFPs and replace as necessary.		

Table 22-1039 IK4015008 - BB TRANS LSL CPRI PORT 2

Alarm	Attributes	Applicable major NE releases
Name: IK4015008 (5244) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: minor Specific problem: BB TRANS LSL CPRI PORT 2 (957) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR14.1.L
Description: The incoming optical signal level for this CPRI port is very low.		
Remedial action: Check the CPRI link connections, cables, and SFPs and replace as necessary.		

Table 22-1040 IK4015009 - BB TRANS LSL CPRI PORT 3

Alarm	Attributes	Applicable major NE releases
Name: IK4015009 (5245) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: minor Specific problem: BB TRANS LSL CPRI PORT 3 (958) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR14.1.L
Description: The incoming optical signal level for this CPRI port is very low.		
Remedial action: Check the CPRI link connections, cables, and SFPs and replace as necessary.		

Table 22-1041 IK4015010 - BB TRANS LSL CPRI PORT 4

Alarm	Attributes	Applicable major NE releases
Name: IK4015010 (5246) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: minor Specific problem: BB TRANS LSL CPRI PORT 4 (959) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR14.1.L
Description: The incoming optical signal level for this CPRI port is very low.		
Remedial action: Check the CPRI link connections, cables, and SFPs and replace as necessary.		

Table 22-1042 IK4015011 - BB TRANS LSL CPRI PORT 5

Alarm	Attributes	Applicable major NE releases
Name: IK4015011 (5247) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: minor Specific problem: BB TRANS LSL CPRI PORT 5 (960) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR14.1.L
Description: The incoming optical signal level for this CPRI port is very low.		
Remedial action: Check the CPRI link connections, cables, and SFPs and replace as necessary.		

Table 22-1043 IK4015012 - BB TRANS LSL CPRI PORT 6

Alarm	Attributes	Applicable major NE releases
Name: IK4015012 (5248) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: minor Specific problem: BB TRANS LSL CPRI PORT 6 (961) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR14.1.L
Description: The incoming optical signal level for this CPRI port is very low.		
Remedial action: Check the CPRI link connections, cables, and SFPs and replace as necessary.		

Table 22-1044 IK4015013 - BB LOS LOF CPRI PORT 1

Alarm	Attributes	Applicable major NE releases
Name: IK4015013 (5249) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: BB LOS LOF CPRI PORT 1 (962) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates the CPRI link from the first RFM on this port has failed (Loss of signal and/or loss of framing)		
Remedial action: Check the CPRI link cable and SFPs (BB and RFM) for failures, otherwise reset the RFM or reset the BB		

Table 22-1045 IK4015014 - BB LOS LOF CPRI PORT 2

Alarm	Attributes	Applicable major NE releases
Name: IK4015014 (5250) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: BB LOS LOF CPRI PORT 2 (963) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates the CPRI link from the first RFM on this port has failed (Loss of signal and/or loss of framing)		
Remedial action: Check the CPRI link cable and SFPs (BB and RFM) for failures, otherwise reset the RFM or reset the BB		

Table 22-1046 IK4015015 - BB LOS LOF CPRI PORT 3

Alarm	Attributes	Applicable major NE releases
Name: IK4015015 (5251) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: BB LOS LOF CPRI PORT 3 (964) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates the CPRI link from the first RFM on this port has failed (Loss of signal and/or loss of framing)		
Remedial action: Check the CPRI link cable and SFPs (BB and RFM) for failures, otherwise reset the RFM or reset the BB		

Table 22-1047 IK4015016 - BB LOS LOF CPRIPORT 4

Alarm	Attributes	Applicable major NE releases
Name: IK4015016 (5252) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: BB LOS LOF CPRIPORT 4 (965) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates the CPRI link from the first RFM on this port has failed (Loss of signal and/or loss of framing)		
Remedial action: Check the CPRI link cable and SFPs (BB and RFM) for failures, otherwise reset the RFM or reset the BB		

Table 22-1048 IK4015017 - BB LOS LOF CPRIPORT 5

Alarm	Attributes	Applicable major NE releases
Name: IK4015017 (5253) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: BB LOS LOF CPRIPORT 5 (966) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates the CPRI link from the first RFM on this port has failed (Loss of signal and/or loss of framing)		
Remedial action: Check the CPRI link cable and SFPs (BB and RFM) for failures, otherwise reset the RFM or reset the BB		

Table 22-1049 IK4015018 - BB LOS LOF CPRIPORT 6

Alarm	Attributes	Applicable major NE releases
Name: IK4015018 (5254) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: BB LOS LOF CPRIPORT 6 (967) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates the CPRI link from the first RFM on this port has failed (Loss of signal and/or loss of framing)		
Remedial action: Check the CPRI link cable and SFPs (BB and RFM) for failures, otherwise reset the RFM or reset the BB		

Table 22-1050 IK4015019 - BB TRANS TX FAILURE CPRI PORT 1

Alarm	Attributes	Applicable major NE releases
Name: IK4015019 (5255) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: BB TRANS TX FAILURE CPRI PORT 1 (968) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates a failure in the BB CPRI port transmitter.		
Remedial action: Replace the SFP for this port.		

Table 22-1051 IK4015020 - BB TRANS TX FAILURE CPRI PORT 2

Alarm	Attributes	Applicable major NE releases
Name: IK4015020 (5256) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: BB TRANS TX FAILURE CPRI PORT 2 (969) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates a failure in the BB CPRI port transmitter.		
Remedial action: Replace the SFP for this port.		

Table 22-1052 IK4015021 - BB TRANS TX FAILURE CPRI PORT 3

Alarm	Attributes	Applicable major NE releases
Name: IK4015021 (5257) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: BB TRANS TX FAILURE CPRI PORT 3 (970) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates a failure in the BB CPRI port transmitter.		
Remedial action: Replace the SFP for this port.		

Table 22-1053 IK4015022 - BB TRANS TX FAILURE CPRI PORT 4

Alarm	Attributes	Applicable major NE releases
Name: IK4015022 (5258) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: BB TRANS TX FAILURE CPRI PORT 4 (971) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates a failure in the BB CPRI port transmitter.		
Remedial action: Replace the SFP for this port.		

Table 22-1054 IK4015023 - BB TRANS TX FAILURE CPRI PORT 5

Alarm	Attributes	Applicable major NE releases
Name: IK4015023 (5259) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: BB TRANS TX FAILURE CPRI PORT 5 (972) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates a failure in the BB CPRI port transmitter.		
Remedial action: Replace the SFP for this port.		

Table 22-1055 IK4015024 - BB TRANS TX FAILURE CPRI PORT 6

Alarm	Attributes	Applicable major NE releases
Name: IK4015024 (5260) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: BB TRANS TX FAILURE CPRI PORT 6 (973) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates a failure in the BB CPRI port transmitter.		
Remedial action: Replace the SFP for this port.		

Table 22-1056 IK4015025 - BB TRANS RX LOS CPRI PORT 1

Alarm	Attributes	Applicable major NE releases
Name: IK4015025 (5261) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.BBCardSpecifics	Severity: minor Specific problem: BB TRANS RX LOS CPRI PORT 1 (974) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR14.1.L
Description: No CPRI signal is received at this CPRI port.		
Remedial action: Check the CPRI cable and connections, replace the SFP (RFM or BB end), verify the RFM is operating.		

Table 22-1057 IK4015026 - BB TRANS RX LOS CPRI PORT 2

Alarm	Attributes	Applicable major NE releases
Name: IK4015026 (5262) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.BBCardSpecifics	Severity: minor Specific problem: BB TRANS RX LOS CPRI PORT 2 (975) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR14.1.L
Description: No CPRI signal is received at this CPRI port.		
Remedial action: Check the CPRI cable and connections, replace the SFP (RFM or BB end), verify the RFM is operating.		

Table 22-1058 IK4015027 - BB TRANS RX LOS CPRI PORT 3

Alarm	Attributes	Applicable major NE releases
Name: IK4015027 (5263) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.BBCardSpecifics	Severity: minor Specific problem: BB TRANS RX LOS CPRI PORT 3 (976) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR14.1.L
Description: No CPRI signal is received at this CPRI port.		
Remedial action: Check the CPRI cable and connections, replace the SFP (RFM or BB end), verify the RFM is operating.		

Table 22-1059 IK4015028 - BB TRANS RX LOS CPRI PORT 4

Alarm	Attributes	Applicable major NE releases
Name: IK4015028 (5264) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: minor Specific problem: BB TRANS RX LOS CPRI PORT 4 (977) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR14.1.L
Description: No CPRI signal is received at this CPRI port.		
Remedial action: Check the CPRI cable and connections, replace the SFP (RFM or BB end), verify the RFM is operating.		

Table 22-1060 IK4015029 - BB TRANS RX LOS CPRI PORT 5

Alarm	Attributes	Applicable major NE releases
Name: IK4015029 (5265) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: minor Specific problem: BB TRANS RX LOS CPRI PORT 5 (978) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR14.1.L
Description: No CPRI signal is received at this CPRI port.		
Remedial action: Check the CPRI cable and connections, replace the SFP (RFM or BB end), verify the RFM is operating.		

Table 22-1061 IK4015030 - BB TRANS RX LOS CPRI PORT 6

Alarm	Attributes	Applicable major NE releases
Name: IK4015030 (5266) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: minor Specific problem: BB TRANS RX LOS CPRI PORT 6 (979) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR14.1.L
Description: No CPRI signal is received at this CPRI port.		
Remedial action: Check the CPRI cable and connections, replace the SFP (RFM or BB end), verify the RFM is operating.		

Table 22-1062 IK4015031 - BB ALL CPRI PORTS FAILED

Alarm	Attributes	Applicable major NE releases
Name: IK4015031 (5267) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: critical Specific problem: BB ALL CPRI PORTS FAILED (980) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates the failure of all CPRI ports.		
Remedial action: Replace the BB if the problem persists		

Table 22-1063 IK4016000 - BB INDETERMINATE OPERATIONAL FAILURE SOC 1

Alarm	Attributes	Applicable major NE releases
Name: IK4016000 (5268) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: critical Specific problem: BB INDETERMINATE OPERATIONAL FAILURE SOC 1 (981) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates that a SOC modem failure of a modem board has been detected that cannot be described by any specific alarm.		
Remedial action: The faulty unit is automatically reset to attempt to clear the fault. If the problem persists then reset the BB.		

Table 22-1064 IK4016001 - BB INIT FAILURE SOC 1

Alarm	Attributes	Applicable major NE releases
Name: IK4016001 (5269) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: critical Specific problem: BB INIT FAILURE SOC 1 (982) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates a failure to initialize a SOC of a modem board.		
Remedial action: The faulty unit is automatically reset to attempt to clear the fault. If the problem persists then reset the BB.		

Table 22-1065 IK4016002 - BB L1 HARDWARE FAIL SOC 1

Alarm	Attributes	Applicable major NE releases
Name: IK4016002 (5270) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: critical Specific problem: BB L1 HARDWARE FAIL SOC 1 (983) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates a Layer 1 hardware or a CPRI configuration failure.		
Remedial action: The faulty unit is automatically reset to attempt to clear the fault. If the problem persists then reset the BB.		

Table 22-1066 IK4016003 - BB L1 SOFTWARE FAIL SOC-SLICE 1-1

Alarm	Attributes	Applicable major NE releases
Name: IK4016003 (5271) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: BB L1 SOFTWARE FAIL SOC-SLICE 1-1 (984) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates a software failure on a BB SOC unit.		
Remedial action: The faulty unit is automatically reset to attempt to clear the fault. If the problem persists then reset the BB.		

Table 22-1067 IK4016004 - BB L1 SOFTWARE FAIL SOC-SLICE 1-2

Alarm	Attributes	Applicable major NE releases
Name: IK4016004 (5272) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: BB L1 SOFTWARE FAIL SOC-SLICE 1-2 (985) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates a software failure on a BB SOC unit.		
Remedial action: The faulty unit is automatically reset to attempt to clear the fault. If the problem persists then reset the BB.		

Table 22-1068 IK4016005 - BB L1 SOFTWARE WARNING SOC-SLICE 1-1

Alarm	Attributes	Applicable major NE releases
Name: IK4016005 (5273) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BBCardSpecifics	Severity: warning Specific problem: BB L1 SOFTWARE WARNING SOC-SLICE 1-1 (986) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates a software warning on a BB SOC unit.		
Remedial action: No action is required.		

Table 22-1069 IK4016006 - BB L1 SOFTWARE WARNING SOC-SLICE 1-2

Alarm	Attributes	Applicable major NE releases
Name: IK4016006 (5274) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BBCardSpecifics	Severity: warning Specific problem: BB L1 SOFTWARE WARNING SOC-SLICE 1-2 (987) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates a software warning on a BB SOC unit.		
Remedial action: No action is required.		

Table 22-1070 IK4016007 - BB MODEM CELL RESOURCES FAILURE SOC 1

Alarm	Attributes	Applicable major NE releases
Name: IK4016007 (5275) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: critical Specific problem: BB MODEM CELL RESOURCES FAILURE SOC 1 (988) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates a modem physical cell failure.		
Remedial action: The faulty unit is automatically reset to attempt to clear the fault. If the problem persists then reset the BB.		

Table 22-1071 IK4016008 - BB L2 SOFTWARE FAIL SOC-SLICE 1-1

Alarm	Attributes	Applicable major NE releases
Name: IK4016008 (5276) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: BB L2 SOFTWARE FAIL SOC-SLICE 1-1 (989) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates a software failure on a BB SOC unit.		
Remedial action: The faulty unit is automatically reset to attempt to clear the fault. If the problem persists then reset the BB.		

Table 22-1072 IK4016009 - BB L2 SOFTWARE FAIL SOC-SLICE 1-2

Alarm	Attributes	Applicable major NE releases
Name: IK4016009 (5277) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: BB L2 SOFTWARE FAIL SOC-SLICE 1-2 (990) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates a software failure on a BB SOC unit.		
Remedial action: The faulty unit is automatically reset to attempt to clear the fault. If the problem persists then reset the BB.		

Table 22-1073 IK4016010 - BB FAULT 1 SOC 1

Alarm	Attributes	Applicable major NE releases
Name: IK4016010 (5278) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: minor Specific problem: BB FAULT 1 SOC 1 (991) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR14.1.L
Description: Provisioned for late churn-in. Unspecified BB fault detected on a SOC		
Remedial action: Check the additional information for maintenance action details.		

Table 22-1074 IK4016011 - BB FAULT 2 SOC 1

Alarm	Attributes	Applicable major NE releases
Name: IK4016011 (5279) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: minor Specific problem: BB FAULT 2 SOC 1 (992) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR14.1.L
Description: Provisioned for late churn-in. Unspecified BB fault detected on a SOC		
Remedial action: Check the additional information for maintenance action details.		

Table 22-1075 IK4016012 - BB DIV IMBALANCE SOC-SLICE 1-1

Alarm	Attributes	Applicable major NE releases
Name: IK4016012 (5280) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: minor Specific problem: BB DIV IMBALANCE SOC-SLICE 1-1 (993) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates Diversity imbalance fault.		
Remedial action: No action is required.		

Table 22-1076 IK4016013 - BB DIV IMBALANCE SOC-SLICE 1-2

Alarm	Attributes	Applicable major NE releases
Name: IK4016013 (5281) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: minor Specific problem: BB DIV IMBALANCE SOC-SLICE 1-2 (994) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates Diversity imbalance fault.		
Remedial action: No action is required.		

Table 22-1077 IK4017000 - BB INDETERMINATE OPERATIONAL FAILURE SOC 2

Alarm	Attributes	Applicable major NE releases
Name: IK4017000 (5282) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: critical Specific problem: BB INDETERMINATE OPERATIONAL FAILURE SOC 2 (995) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates that a SOC modem failure of a modem board has been detected that cannot be described by any specific alarm.		
Remedial action: The faulty unit is automatically reset to attempt to clear the fault. If the problem persists then reset the BB.		

Table 22-1078 IK4017001 - BB INIT FAILURE SOC 2

Alarm	Attributes	Applicable major NE releases
Name: IK4017001 (5283) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: critical Specific problem: BB INIT FAILURE SOC 2 (996) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates a failure to initialize a SOC of a modem board.		
Remedial action: The faulty unit is automatically reset to attempt to clear the fault. If the problem persists then reset the BB.		

Table 22-1079 IK4017002 - BB L1 HARDWARE FAIL SOC 2

Alarm	Attributes	Applicable major NE releases
Name: IK4017002 (5284) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: critical Specific problem: BB L1 HARDWARE FAIL SOC 2 (997) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates a Layer 1 hardware or a CPRI configuration failure.		
Remedial action: The faulty unit is automatically reset to attempt to clear the fault. If the problem persists then reset the BB.		

Table 22-1080 IK4017003 - BB L1 SOFTWARE FAIL SOC-SLICE 2-1

Alarm	Attributes	Applicable major NE releases
Name: IK4017003 (5285) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: BB L1 SOFTWARE FAIL SOC-SLICE 2-1 (998) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates a software failure on a BB SOC unit.		
Remedial action: The faulty unit is automatically reset to attempt to clear the fault. If the problem persists then reset the BB.		

Table 22-1081 IK4017004 - BB L1 SOFTWARE FAIL SOC-SLICE 2-2

Alarm	Attributes	Applicable major NE releases
Name: IK4017004 (5286) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: BB L1 SOFTWARE FAIL SOC-SLICE 2-2 (999) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates a software failure on a BB SOC unit.		
Remedial action: The faulty unit is automatically reset to attempt to clear the fault. If the problem persists then reset the BB.		

Table 22-1082 IK4017005 - BB L1 SOFTWARE WARNING SOC-SLICE 2-1

Alarm	Attributes	Applicable major NE releases
Name: IK4017005 (5287) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BBCardSpecifics	Severity: warning Specific problem: BB L1 SOFTWARE WARNING SOC-SLICE 2-1 (1000) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates a software warning on a BB SOC unit.		
Remedial action: No action is required.		

Table 22-1083 IK4017006 - BB L1 SOFTWARE WARNING SOC-SLICE 2-2

Alarm	Attributes	Applicable major NE releases
Name: IK4017006 (5288) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.BBCardSpecifics	Severity: warning Specific problem: BB L1 SOFTWARE WARNING SOC-SLICE 2-2 (1001) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates a software warning on a BB SOC unit.		
Remedial action: No action is required.		

Table 22-1084 IK4017007 - BB MODEM CELL RESOURCES FAILURE SOC 2

Alarm	Attributes	Applicable major NE releases
Name: IK4017007 (5289) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.BBCardSpecifics	Severity: critical Specific problem: BB MODEM CELL RESOURCES FAILURE SOC 2 (1002) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates a modem physical cell failure.		
Remedial action: The faulty unit is automatically reset to attempt to clear the fault. If the problem persists then reset the BB.		

Table 22-1085 IK4017008 - BB L2 SOFTWARE FAIL SOC-SLICE 2-1

Alarm	Attributes	Applicable major NE releases
Name: IK4017008 (5290) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.BBCardSpecifics	Severity: major Specific problem: BB L2 SOFTWARE FAIL SOC-SLICE 2-1 (1003) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates a software failure on a BB SOC unit.		
Remedial action: The faulty unit is automatically reset to attempt to clear the fault. If the problem persists then reset the BB.		

Table 22-1086 IK4017009 - BB L2 SOFTWARE FAIL SOC-SLICE 2-2

Alarm	Attributes	Applicable major NE releases
Name: IK4017009 (5291) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: BB L2 SOFTWARE FAIL SOC-SLICE 2-2 (1004) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates a software failure on a BB SOC unit.		
Remedial action: The faulty unit is automatically reset to attempt to clear the fault. If the problem persists then reset the BB.		

Table 22-1087 IK4017010 - BB FAULT 1 SOC 2

Alarm	Attributes	Applicable major NE releases
Name: IK4017010 (5292) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: minor Specific problem: BB FAULT 1 SOC 2 (1005) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR14.1.L
Description: Provisioned for late churn-in. Unspecified BB fault detected on a SOC		
Remedial action: Check the additional information for maintenance action details.		

Table 22-1088 IK4017011 - BB FAULT 2 SOC 2

Alarm	Attributes	Applicable major NE releases
Name: IK4017011 (5293) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: minor Specific problem: BB FAULT 2 SOC 2 (1006) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR14.1.L
Description: Provisioned for late churn-in. Unspecified BB fault detected on a SOC		
Remedial action: Check the additional information for maintenance action details.		

Table 22-1089 IK4017012 - BB DIV IMBALANCE SOC-SLICE 2-1

Alarm	Attributes	Applicable major NE releases
Name: IK4017012 (5294) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: minor Specific problem: BB DIV IMBALANCE SOC-SLICE 2-1 (1007) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates Diversity imbalance fault.		
Remedial action: No action is required.		

Table 22-1090 IK4017013 - BB DIV IMBALANCE SOC-SLICE 2-2

Alarm	Attributes	Applicable major NE releases
Name: IK4017013 (5295) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: minor Specific problem: BB DIV IMBALANCE SOC-SLICE 2-2 (1008) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates Diversity imbalance fault.		
Remedial action: No action is required.		

Table 22-1091 IK4018000 - BB INDETERMINATE OPERATIONAL FAILURE SOC 3

Alarm	Attributes	Applicable major NE releases
Name: IK4018000 (5296) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: critical Specific problem: BB INDETERMINATE OPERATIONAL FAILURE SOC 3 (1009) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates that a SOC modem failure of a modem board has been detected that cannot be described by any specific alarm.		
Remedial action: The faulty unit is automatically reset to attempt to clear the fault. If the problem persists then reset the BB.		

Table 22-1092 IK4018001 - BB INIT FAILURE SOC 3

Alarm	Attributes	Applicable major NE releases
Name: IK4018001 (5297) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: critical Specific problem: BB INIT FAILURE SOC 3 (1010) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates a failure to initialize a SOC of a modem board.		
Remedial action: The faulty unit is automatically reset to attempt to clear the fault. If the problem persists then reset the BB.		

Table 22-1093 IK4018002 - BB L1 HARDWARE FAIL SOC 3

Alarm	Attributes	Applicable major NE releases
Name: IK4018002 (5298) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: critical Specific problem: BB L1 HARDWARE FAIL SOC 3 (1011) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates a Layer 1 hardware or a CPRI configuration failure.		
Remedial action: The faulty unit is automatically reset to attempt to clear the fault. If the problem persists then reset the BB.		

Table 22-1094 IK4018003 - BB L1 SOFTWARE FAIL SOC-SLICE 3-1

Alarm	Attributes	Applicable major NE releases
Name: IK4018003 (5299) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: BB L1 SOFTWARE FAIL SOC-SLICE 3-1 (1012) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates a software failure on a BB SOC unit.		
Remedial action: The faulty unit is automatically reset to attempt to clear the fault. If the problem persists then reset the BB.		

Table 22-1095 IK4018004 - BB L1 SOFTWARE FAIL SOC-SLICE 3-2

Alarm	Attributes	Applicable major NE releases
Name: IK4018004 (5300) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: BB L1 SOFTWARE FAIL SOC-SLICE 3-2 (1013) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates a software failure on a BB SOC unit.		
Remedial action: The faulty unit is automatically reset to attempt to clear the fault. If the problem persists then reset the BB.		

Table 22-1096 IK4018005 - BB L1 SOFTWARE WARNING SOC-SLICE 3-1

Alarm	Attributes	Applicable major NE releases
Name: IK4018005 (5301) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BBCardSpecifics	Severity: warning Specific problem: BB L1 SOFTWARE WARNING SOC-SLICE 3-1 (1014) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates a software warning on a BB SOC unit.		
Remedial action: No action is required.		

Table 22-1097 IK4018006 - BB L1 SOFTWARE WARNING SOC-SLICE 3-2

Alarm	Attributes	Applicable major NE releases
Name: IK4018006 (5302) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BBCardSpecifics	Severity: warning Specific problem: BB L1 SOFTWARE WARNING SOC-SLICE 3-2 (1015) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates a software warning on a BB SOC unit.		
Remedial action: No action is required.		

Table 22-1098 IK4018007 - BB MODEM CELL RESOURCES FAILURE SOC 3

Alarm	Attributes	Applicable major NE releases
Name: IK4018007 (5303) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: critical Specific problem: BB MODEM CELL RESOURCES FAILURE SOC 3 (1016) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates a modem physical cell failure.		
Remedial action: The faulty unit is automatically reset to attempt to clear the fault. If the problem persists then reset the BB.		

Table 22-1099 IK4018008 - BB L2 SOFTWARE FAIL SOC-SLICE 3-1

Alarm	Attributes	Applicable major NE releases
Name: IK4018008 (5304) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: BB L2 SOFTWARE FAIL SOC-SLICE 3-1 (1017) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates a software failure on a BB SOC unit.		
Remedial action: The faulty unit is automatically reset to attempt to clear the fault. If the problem persists then reset the BB.		

Table 22-1100 IK4018009 - BB L2 SOFTWARE FAIL SOC-SLICE 3-2

Alarm	Attributes	Applicable major NE releases
Name: IK4018009 (5305) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: BB L2 SOFTWARE FAIL SOC-SLICE 3-2 (1018) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates a software failure on a BB SOC unit.		
Remedial action: The faulty unit is automatically reset to attempt to clear the fault. If the problem persists then reset the BB.		

Table 22-1101 IK4018010 - BB FAULT 1 SOC 3

Alarm	Attributes	Applicable major NE releases
Name: IK4018010 (5306) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: minor Specific problem: BB FAULT 1 SOC 3 (1019) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR14.1.L
Description: Provisioned for late churn-in.Unspecified BB fault detected on a SOC		
Remedial action: Check the additional information for maintenance action details.		

Table 22-1102 IK4018011 - BB FAULT 2 SOC 3

Alarm	Attributes	Applicable major NE releases
Name: IK4018011 (5307) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: minor Specific problem: BB FAULT 2 SOC 3 (1020) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR14.1.L
Description: Provisioned for late churn-in.Unspecified BB fault detected on a SOC		
Remedial action: Check the additional information for maintenance action details.		

Table 22-1103 IK4018012 - BB DIV IMBALANCE SOC-SLICE 3-1

Alarm	Attributes	Applicable major NE releases
Name: IK4018012 (5308) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: minor Specific problem: BB DIV IMBALANCE SOC-SLICE 3-1 (1021) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates Diversity imbalance fault.		
Remedial action: No action is required.		

Table 22-1104 IK4018013 - BB DIV IMBALANCE SOC-SLICE 3-2

Alarm	Attributes	Applicable major NE releases
Name: IK4018013 (5309) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: minor Specific problem: BB DIV IMBALANCE SOC-SLICE 3-2 (1022) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates Diversity imbalance fault.		
Remedial action: No action is required.		

Table 22-1105 IK4019000 - CB INDETERMINATE OPERATIONAL FAILURE SOC 1

Alarm	Attributes	Applicable major NE releases
Name: IK4019000 (5310) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: critical Specific problem: CB INDETERMINATE OPERATIONAL FAILURE SOC 1 (1023) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates that a SOC modem failure of a controller board has been detected that cannot be described by any specific alarm.		
Remedial action: The faulty unit is automatically reset to attempt to clear the fault. If the problem persists then reset the CB.		

Table 22-1106 IK4019001 - CB INIT FAILURE SOC 1

Alarm	Attributes	Applicable major NE releases
Name: IK4019001 (5311) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: critical Specific problem: CB INIT FAILURE SOC 1 (1024) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates a failure to initialize a SOC of a controller board.		
Remedial action: The faulty unit is automatically reset to attempt to clear the fault. If the problem persists then reset the CB.		

Table 22-1107 IK4019002 - CB L1 HARDWARE FAIL SOC 1

Alarm	Attributes	Applicable major NE releases
Name: IK4019002 (5312) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: critical Specific problem: CB L1 HARDWARE FAIL SOC 1 (1025) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates a Layer 1 hardware or a CPRI configuration failure.		
Remedial action: The faulty unit is automatically reset to attempt to clear the fault. If the problem persists then reset the CB.		

Table 22-1108 IK4019003 - CB L1 SOFTWARE FAIL SOC-SLICE 1-1

Alarm	Attributes	Applicable major NE releases
Name: IK4019003 (5313) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: CB L1 SOFTWARE FAIL SOC-SLICE 1-1 (1026) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates a software failure on a CB SOC unit.		
Remedial action: The faulty unit is automatically reset to attempt to clear the fault. If the problem persists then reset the CB.		

Table 22-1109 IK4019004 - CB L1 SOFTWARE FAIL SOC-SLICE 1-2

Alarm	Attributes	Applicable major NE releases
Name: IK4019004 (5314) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: CB L1 SOFTWARE FAIL SOC-SLICE 1-2 (1027) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates a software failure on a CB SOC unit.		
Remedial action: The faulty unit is automatically reset to attempt to clear the fault. If the problem persists then reset the CB.		

Table 22-1110 IK4019005 - CB L1 SOFTWARE WARNING SOC-SLICE 1-1

Alarm	Attributes	Applicable major NE releases
Name: IK4019005 (5315) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.CBCardSpecifics	Severity: warning Specific problem: CB L1 SOFTWARE WARNING SOC-SLICE 1-1 (1028) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates a software warning on a CB SOC unit.		
Remedial action: No action is required.		

Table 22-1111 IK4019006 - CB L1 SOFTWARE WARNING SOC-SLICE 1-2

Alarm	Attributes	Applicable major NE releases
Name: IK4019006 (5316) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.CBCardSpecifics	Severity: warning Specific problem: CB L1 SOFTWARE WARNING SOC-SLICE 1-2 (1029) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates a software warning on a CB SOC unit.		
Remedial action: No action is required.		

Table 22-1112 IK4019007 - CB MODEM CELL RESOURCES FAILURE SOC 1

Alarm	Attributes	Applicable major NE releases
Name: IK4019007 (5317) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: critical Specific problem: CB MODEM CELL RESOURCES FAILURE SOC 1 (1030) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates a modem physical cell failure.		
Remedial action: The faulty unit is automatically reset to attempt to clear the fault. If the problem persists then reset the CB.		

Table 22-1113 IK4019008 - CB L2 SOFTWARE FAIL SOC-SLICE 1-1

Alarm	Attributes	Applicable major NE releases
Name: IK4019008 (5318) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: CB L2 SOFTWARE FAIL SOC-SLICE 1-1 (1031) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates a software failure on a CB SOC unit.		
Remedial action: The faulty unit is automatically reset to attempt to clear the fault. If the problem persists then reset the CB.		

Table 22-1114 IK4019009 - CB L2 SOFTWARE FAIL SOC-SLICE 1-2

Alarm	Attributes	Applicable major NE releases
Name: IK4019009 (5319) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: CB L2 SOFTWARE FAIL SOC-SLICE 1-2 (1032) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates a software failure on a CB SOC unit.		
Remedial action: The faulty unit is automatically reset to attempt to clear the fault. If the problem persists then reset the CB.		

Table 22-1115 IK4019010 - CB FAULT 1 SOC 1

Alarm	Attributes	Applicable major NE releases
Name: IK4019010 (5320) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB FAULT 1 SOC 1 (1033) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR14.1.L
Description: Provisioned for late churn-in. Unspecified CB fault detected on a SOC.		
Remedial action: Check the additional information for maintenance action details.		

Table 22-1116 IK4019011 - CB FAULT 2 SOC 1

Alarm	Attributes	Applicable major NE releases
Name: IK4019011 (5321) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB FAULT 2 SOC 1 (1034) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR14.1.L
Description: Provisioned for late churn-in. Unspecified CB fault detected on a SOC.		
Remedial action: Check the additional information for maintenance action details.		

Table 22-1117 IK4019012 - CB DIV IMBALANCE SOC-SLICE 1-1

Alarm	Attributes	Applicable major NE releases
Name: IK4019012 (5322) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB DIV IMBALANCE SOC-SLICE 1-1 (1035) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates Diversity imbalance fault.		
Remedial action: No action is required.		

Table 22-1118 IK4019013 - CB DIV IMBALANCE SOC-SLICE 1-2

Alarm	Attributes	Applicable major NE releases
Name: IK4019013 (5323) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB DIV IMBALANCE SOC-SLICE 1-2 (1036) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates Diversity imbalance fault.		
Remedial action: No action is required.		

Table 22-1119 IK4020000 - CB INDETERMINATE OPERATIONAL FAILURE SOC 2

Alarm	Attributes	Applicable major NE releases
Name: IK4020000 (5324) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: critical Specific problem: CB INDETERMINATE OPERATIONAL FAILURE SOC 2 (1037) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates that a SOC modem failure of a controller board has been detected that cannot be described by any specific alarm.		
Remedial action: The faulty unit is automatically reset to attempt to clear the fault. If the problem persists then reset the CB.		

Table 22-1120 IK4020001 - CB INIT FAILURE SOC 2

Alarm	Attributes	Applicable major NE releases
Name: IK4020001 (5325) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: critical Specific problem: CB INIT FAILURE SOC 2 (1038) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates a failure to initialize a SOC of a controller board.		
Remedial action: The faulty unit is automatically reset to attempt to clear the fault. If the problem persists then reset the CB.		

Table 22-1121 IK4020002 - CB L1 HARDWARE FAIL SOC 2

Alarm	Attributes	Applicable major NE releases
Name: IK4020002 (5326) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: critical Specific problem: CB L1 HARDWARE FAIL SOC 2 (1039) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates a Layer 1 hardware or a CPRI configuration failure.		
Remedial action: The faulty unit is automatically reset to attempt to clear the fault. If the problem persists then reset the CB.		

Table 22-1122 IK4020003 - CB L1 SOFTWARE FAIL SOC-SLICE 2-1

Alarm	Attributes	Applicable major NE releases
Name: IK4020003 (5327) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: CB L1 SOFTWARE FAIL SOC-SLICE 2-1 (1040) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates a software failure on a CB SOC unit.		
Remedial action: The faulty unit is automatically reset to attempt to clear the fault. If the problem persists then reset the CB.		

Table 22-1123 IK4020004 - CB L1 SOFTWARE FAIL SOC-SLICE 2-2

Alarm	Attributes	Applicable major NE releases
Name: IK4020004 (5328) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: CB L1 SOFTWARE FAIL SOC-SLICE 2-2 (1041) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates a software failure on a CB SOC unit.		
Remedial action: The faulty unit is automatically reset to attempt to clear the fault. If the problem persists then reset the CB.		

Table 22-1124 IK4020005 - CB L1 SOFTWARE WARNING SOC-SLICE 2-1

Alarm	Attributes	Applicable major NE releases
Name: IK4020005 (5329) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.CBCardSpecifics	Severity: warning Specific problem: CB L1 SOFTWARE WARNING SOC-SLICE 2-1 (1042) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates a software warning on a CB SOC unit.		
Remedial action: No action is required.		

Table 22-1125 IK4020006 - CB L1 SOFTWARE WARNING SOC-SLICE 2-2

Alarm	Attributes	Applicable major NE releases
Name: IK4020006 (5330) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.CBCardSpecifics	Severity: warning Specific problem: CB L1 SOFTWARE WARNING SOC-SLICE 2-2 (1043) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates a software warning on a CB SOC unit.		
Remedial action: No action is required.		

Table 22-1126 IK4020007 - CB MODEM CELL RESOURCES FAILURE SOC 2

Alarm	Attributes	Applicable major NE releases
Name: IK4020007 (5331) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.CBCardSpecifics	Severity: critical Specific problem: CB MODEM CELL RESOURCES FAILURE SOC 2 (1044) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates a modem physical cell failure.		
Remedial action: The faulty unit is automatically reset to attempt to clear the fault. If the problem persists then reset the CB.		

Table 22-1127 IK4020008 - CB L2 SOFTWARE FAIL SOC-SLICE 2-1

Alarm	Attributes	Applicable major NE releases
Name: IK4020008 (5332) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.CBCardSpecifics	Severity: major Specific problem: CB L2 SOFTWARE FAIL SOC-SLICE 2-1 (1045) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates a software failure on a CB SOC unit.		
Remedial action: The faulty unit is automatically reset to attempt to clear the fault. If the problem persists then reset the CB.		

Table 22-1128 IK4020009 - CB L2 SOFTWARE FAIL SOC-SLICE 2-2

Alarm	Attributes	Applicable major NE releases
Name: IK4020009 (5333) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: CB L2 SOFTWARE FAIL SOC-SLICE 2-2 (1046) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates a software failure on a CB SOC unit.		
Remedial action: The faulty unit is automatically reset to attempt to clear the fault. If the problem persists then reset the CB.		

Table 22-1129 IK4020010 - CB FAULT 1 SOC 2

Alarm	Attributes	Applicable major NE releases
Name: IK4020010 (5334) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB FAULT 1 SOC 2 (1047) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR14.1.L
Description: Provisioned for late churn-in. Unspecified CB fault detected on a SOC.		
Remedial action: Check the additional information for maintenance action details.		

Table 22-1130 IK4020011 - CB FAULT 2 SOC 2

Alarm	Attributes	Applicable major NE releases
Name: IK4020011 (5335) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB FAULT 2 SOC 2 (1048) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR14.1.L
Description: Provisioned for late churn-in. Unspecified CB fault detected on a SOC.		
Remedial action: Check the additional information for maintenance action details.		

Table 22-1131 IK4020012 - CB DIV IMBALANCE SOC-SLICE 2-1

Alarm	Attributes	Applicable major NE releases
Name: IK4020012 (5336) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.CBCardSpecifics	Severity: minor Specific problem: CB DIV IMBALANCE SOC-SLICE 2-1 (1049) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates Diversity imbalance fault.		
Remedial action: No action is required.		

Table 22-1132 IK4020013 - CB DIV IMBALANCE SOC-SLICE 2-2

Alarm	Attributes	Applicable major NE releases
Name: IK4020013 (5337) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.CBCardSpecifics	Severity: minor Specific problem: CB DIV IMBALANCE SOC-SLICE 2-2 (1050) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates Diversity imbalance fault.		
Remedial action: No action is required.		

Table 22-1133 IK4021000 - CB INDETERMINATE OPERATIONAL FAILURE SOC 3

Alarm	Attributes	Applicable major NE releases
Name: IK4021000 (5338) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.CBCardSpecifics	Severity: critical Specific problem: CB INDETERMINATE OPERATIONAL FAILURE SOC 3 (1051) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates that a SOC modem failure of a controller board has been detected that cannot be described by any specific alarm.		
Remedial action: The faulty unit is automatically reset to attempt to clear the fault. If the problem persists then reset the CB.		

Table 22-1134 IK4021001 - CB INIT FAILURE SOC 3

Alarm	Attributes	Applicable major NE releases
Name: IK4021001 (5339) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: critical Specific problem: CB INIT FAILURE SOC 3 (1052) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates a failure to initialize a SOC of a controller board.		
Remedial action: The faulty unit is automatically reset to attempt to clear the fault. If the problem persists then reset the CB.		

Table 22-1135 IK4021002 - CB L1 HARDWARE FAIL SOC 3

Alarm	Attributes	Applicable major NE releases
Name: IK4021002 (5340) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: critical Specific problem: CB L1 HARDWARE FAIL SOC 3 (1053) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates a Layer 1 hardware or a CPRI configuration failure.		
Remedial action: The faulty unit is automatically reset to attempt to clear the fault. If the problem persists then reset the CB.		

Table 22-1136 IK4021003 - CB L1 SOFTWARE FAIL SOC-SLICE 3-1

Alarm	Attributes	Applicable major NE releases
Name: IK4021003 (5341) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: CB L1 SOFTWARE FAIL SOC-SLICE 3-1 (1054) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates a software failure on a CB SOC unit.		
Remedial action: The faulty unit is automatically reset to attempt to clear the fault. If the problem persists then reset the CB.		

Table 22-1137 IK4021004 - CB L1 SOFTWARE FAIL SOC-SLICE 3-2

Alarm	Attributes	Applicable major NE releases
Name: IK4021004 (5342) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: CB L1 SOFTWARE FAIL SOC-SLICE 3-2 (1055) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates a software failure on a CB SOC unit.		
Remedial action: The faulty unit is automatically reset to attempt to clear the fault. If the problem persists then reset the CB.		

Table 22-1138 IK4021005 - CB L1 SOFTWARE WARNING SOC-SLICE 3-1

Alarm	Attributes	Applicable major NE releases
Name: IK4021005 (5343) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.CBCardSpecifics	Severity: warning Specific problem: CB L1 SOFTWARE WARNING SOC-SLICE 3-1 (1056) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates a software warning on a CB SOC unit.		
Remedial action: No action is required.		

Table 22-1139 IK4021006 - CB L1 SOFTWARE WARNING SOC-SLICE 3-2

Alarm	Attributes	Applicable major NE releases
Name: IK4021006 (5344) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.CBCardSpecifics	Severity: warning Specific problem: CB L1 SOFTWARE WARNING SOC-SLICE 3-2 (1057) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates a software warning on a CB SOC unit.		
Remedial action: No action is required.		

Table 22-1140 IK4021007 - CB MODEM CELL RESOURCES FAILURE SOC 3

Alarm	Attributes	Applicable major NE releases
Name: IK4021007 (5345) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: critical Specific problem: CB MODEM CELL RESOURCES FAILURE SOC 3 (1058) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates a modem physical cell failure.		
Remedial action: The faulty unit is automatically reset to attempt to clear the fault. If the problem persists then reset the CB.		

Table 22-1141 IK4021008 - CB L2 SOFTWARE FAIL SOC-SLICE 3-1

Alarm	Attributes	Applicable major NE releases
Name: IK4021008 (5346) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: CB L2 SOFTWARE FAIL SOC-SLICE 3-1 (1059) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates a software failure on a CB SOC unit.		
Remedial action: The faulty unit is automatically reset to attempt to clear the fault. If the problem persists then reset the CB.		

Table 22-1142 IK4021009 - CB L2 SOFTWARE FAIL SOC-SLICE 3-2

Alarm	Attributes	Applicable major NE releases
Name: IK4021009 (5347) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: CB L2 SOFTWARE FAIL SOC-SLICE 3-2 (1060) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates a software failure on a CB SOC unit.		
Remedial action: The faulty unit is automatically reset to attempt to clear the fault. If the problem persists then reset the CB.		

Table 22-1143 IK4021010 - CB FAULT 1 SOC 3

Alarm	Attributes	Applicable major NE releases
Name: IK4021010 (5348) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB FAULT 1 SOC 3 (1061) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR14.1.L
Description: Provisioned for late churn-in. Unspecified CB fault detected on a SOC.		
Remedial action: Check the additional information for maintenance action details.		

Table 22-1144 IK4021011 - CB FAULT 2 SOC 3

Alarm	Attributes	Applicable major NE releases
Name: IK4021011 (5349) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB FAULT 2 SOC 3 (1062) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR14.1.L
Description: Provisioned for late churn-in. Unspecified CB fault detected on a SOC.		
Remedial action: Check the additional information for maintenance action details.		

Table 22-1145 IK4021012 - CB DIV IMBALANCE SOC-SLICE 3-1

Alarm	Attributes	Applicable major NE releases
Name: IK4021012 (5350) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB DIV IMBALANCE SOC-SLICE 3-1 (1063) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates Diversity imbalance fault.		
Remedial action: No action is required.		

Table 22-1146 IK4021013 - CB DIV IMBALANCE SOC-SLICE 3-2

Alarm	Attributes	Applicable major NE releases
Name: IK4021013 (5351) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB DIV IMBALANCE SOC-SLICE 3-2 (1064) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR14.1.L
Description: This alarm indicates Diversity imbalance fault.		
Remedial action: No action is required.		

Table 22-1147 IK4201001 - SW CANNOT BE UPDATED AUTOMATICALLY

Alarm	Attributes	Applicable major NE releases
Name: IK4201001 (2674) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: SW CANNOT BE UPDATED AUTOMATICALLY (1065) Implicitly cleared: true Default probable cause: softwareError (718)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a failure to download the software for the new module.		
Impact: Software for the module is not available.		
Remedial action: Check the code server setting. The code server path is accessible via SAM or NEM. Consult the SAM resp. NEM user guide specification to see how to access the code server attribute using either application.		

Table 22-1148 IK4201002 - CURRENT SW DOES NOT SUPPORT THE NEW HW MODULE

Alarm	Attributes	Applicable major NE releases
Name: IK4201002 (2675) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CURRENT SW DOES NOT SUPPORT THE NEW HW MODULE (1066) Implicitly cleared: true Default probable cause: softwareError (718)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that the current software does not support the hardware.		
Impact: Software for the module is not available.		
Remedial action: Requires a new software package to support the hardware.		

Table 22-1149 IK4201003 - SW NOT AVAILABLE, DOWNLOAD STARTED

Alarm	Attributes	Applicable major NE releases
Name: IK4201003 (2676) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.CBCardSpecifics	Severity: minor Specific problem: SW NOT AVAILABLE, DOWNLOAD STARTED (1067) Implicitly cleared: true Default probable cause: softwareError (718)	<ul style="list-style-type: none"> LT6.0
Description: This alarm indicates that the software is not available and the download is started.		
Impact: Software for the module is not available.		
Remedial action: Wait for download to complete.		

Table 22-1150 IK4201004 - SW DOWNLOAD/ACTIVATION FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4201004 (2677) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.CBCardSpecifics	Severity: minor Specific problem: SW DOWNLOAD/ACTIVATION FAILURE (1068) Implicitly cleared: true Default probable cause: softwareError (718)	<ul style="list-style-type: none"> LR13.1 LR13.3 LR14.1.L LT6.0
Description: This alarm indicates a failure to download or activate the software for the new module.		
Impact: Telecom: Impacts the telecom service. OAM: No impact on OAM service.		
Remedial action: Reset the impacted module. If the alarm persists, contact the next level of support.		

Table 22-1151 IK4201005 - SW DOWNLOAD/ACTIVATION FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4201005 (2678) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.BBCardSpecifics	Severity: minor Specific problem: SW DOWNLOAD/ACTIVATION FAILURE (1068) Implicitly cleared: true Default probable cause: softwareError (718)	<ul style="list-style-type: none"> LR13.1 LR13.3 LR14.1.L LT6.0
Description: This alarm indicates a failure to download or activate the software for the new module.		
Impact: Telecom: Impacts the telecom service. OAM: No impact on OAM service.		
Remedial action: Reset the impacted module. If the alarm persists, contact the next level of support.		

Table 22-1152 IK4201006 - SW DOWNLOAD/ACTIVATION FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4201006 (2679) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.RRH	Severity: minor Specific problem: SW DOWNLOAD/ACTIVATION FAILURE (1068) Implicitly cleared: true Default probable cause: softwareError (718)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a failure to download or activate the software for the new module.		
Impact: Telecom: Impacts the telecom service. OAM: No impact on OAM service.		
Remedial action: Reset the impacted module. If the alarm persists, contact the next level of support.		

Table 22-1153 IK4201007 - SW DOWNLOAD/ACTIVATION FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4201007 (2680) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.TRDU	Severity: minor Specific problem: SW DOWNLOAD/ACTIVATION FAILURE (1068) Implicitly cleared: true Default probable cause: softwareError (718)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a failure to download or activate the software for the new module.		
Impact: Telecom: Impacts the telecom service. OAM: No impact on OAM service.		
Remedial action: Reset the impacted module. If the alarm persists, contact the next level of support.		

Table 22-1154 IK4201008 - SW NOT AVAILABLE, DOWNLOAD STARTED

Alarm	Attributes	Applicable major NE releases
Name: IK4201008 (3229) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.CBCardSpecifics	Severity: warning Specific problem: SW NOT AVAILABLE, DOWNLOAD STARTED (1067) Implicitly cleared: true Default probable cause: softwareError (718)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that the software is not available and the download is started.		
Impact: Software for the module is not available.		
Remedial action: Wait for download to complete.		

Table 22-1155 IK4201009 - DATA MIGRATION NOT POSSIBLE

Alarm	Attributes	Applicable major NE releases
Name: IK4201009 (3826) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.CBCardSpecifics	Severity: minor Specific problem: DATA MIGRATION NOT POSSIBLE (1069) Implicitly cleared: true Default probable cause: softwareError (718)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that the not-running software does not support database migration from the actual database version. A software activation will result in fallback to minimum database.		
Impact: Telecom: None. OAM: None.		
Remedial action: Abort the software replacement and download a compatible software package.		

Table 22-1156 IK4201010 - SW CANNOT BE UPDATED AUTOMATICALLY

Alarm	Attributes	Applicable major NE releases
Name: IK4201010 (4706) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.MODULE	Severity: major Specific problem: SW CANNOT BE UPDATED AUTOMATICALLY (1065) Implicitly cleared: true Default probable cause: softwareError (718)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates a failure to download the software for the new module.		
Impact: Software for the module is not available.		
Remedial action: Check the code server setting. The code server path is accessible via SAM or NEM. Consult the SAM resp. NEM user guide specification to see how to access the code server attribute using either application.		

Table 22-1157 IK4201011 - CURRENT SW DOES NOT SUPPORT THE NEW HW MODULE

Alarm	Attributes	Applicable major NE releases
Name: IK4201011 (4707) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.MODULE	Severity: minor Specific problem: CURRENT SW DOES NOT SUPPORT THE NEW HW MODULE (1066) Implicitly cleared: true Default probable cause: softwareError (718)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that the current software does not support the hardware.		
Impact: The unit is not functional until the correct software is downloaded.		
Remedial action: Provide a new software package that supports the hardware.		

Table 22-1158 IK4201012 - SW NOT AVAILABLE, DOWNLOAD STARTED

Alarm	Attributes	Applicable major NE releases
Name: IK4201012 (4708) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.MODULE	Severity: warning Specific problem: SW NOT AVAILABLE, DOWNLOAD STARTED (1067) Implicitly cleared: true Default probable cause: softwareError (718)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that the software is not available and the download is started.		
Impact: The unit is not functional until the software download has completed.		
Remedial action: Wait for the download to complete.		

Table 22-1159 IK4201013 - SW DOWNLOAD/ACTIVATION FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4201013 (4709) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.MODULE	Severity: minor Specific problem: SW DOWNLOAD/ACTIVATION FAILURE (1068) Implicitly cleared: true Default probable cause: softwareError (718)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates a failure to download or activate the software for the new module.		
Impact: The unit is not functional until the software download and database migration are successfully completed.		
Remedial action: Reset the impacted module. If the alarm persists, contact the next level of support.		

Table 22-1160 IK4201014 - DATA MIGRATION NOT POSSIBLE

Alarm	Attributes	Applicable major NE releases
Name: IK4201014 (4710) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.MODULE	Severity: minor Specific problem: DATA MIGRATION NOT POSSIBLE (1069) Implicitly cleared: true Default probable cause: softwareError (718)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that the not-running software does not support database migration from the actual database version. A software activation will result in fallback to the minimum database.		
Impact: The unit is not functional until the software download has completed.		
Remedial action: Abort the software replacement and download a compatible software package.		

Table 22-1161 IK4201015 - SW DOWNLOAD/ACTIVATION FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4201015 (4711) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.RFME	Severity: minor Specific problem: SW DOWNLOAD/ACTIVATION FAILURE (1068) Implicitly cleared: true Default probable cause: softwareError (718)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates a failure to download or activate the software for the new module.		
Impact: The unit is not functional until the software download has successfully completed.		
Remedial action: Reset the eNodeB. If the alarm persists, replace the module.		

Table 22-1162 IK4305001 - MODULE SCENARIO ERROR

Alarm	Attributes	Applicable major NE releases
Name: IK4305001 (2681) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BBCardSpecifics	Severity: critical Specific problem: MODULE SCENARIO ERROR (1070) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates the scenario failure due to no-response from the module.		
Impact: Telecom: The telecom resources processed by the module are lost as the module is out of service. OAM: No impact on OAM service.		
Remedial action: Reset the module. If the alarm persists, replace the module.		

Table 22-1163 IK4305002 - MODULE SCENARIO ERROR

Alarm	Attributes	Applicable major NE releases
Name: IK4305002 (2682) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.CBCardSpecifics	Severity: critical Specific problem: MODULE SCENARIO ERROR (1070) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates the scenario failure due to no-response from the module.		
Impact: Telecom: The telecom resources processed by the module are lost as the module is out of service. OAM: No impact on OAM service.		
Remedial action: Reset the module. If the alarm persists, replace the module.		

Table 22-1164 IK4305003 - MODULE SCENARIO ERROR

Alarm	Attributes	Applicable major NE releases
Name: IK4305003 (2683) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBSelfSpecifics	Severity: critical Specific problem: MODULE SCENARIO ERROR (1070) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates the scenario failure due to no-response from the module.		
Impact: Telecom: The telecom resources processed by the module are lost as the module is out of service. OAM: No impact on OAM service.		
Remedial action: Reset the module. If the alarm persists, replace the module.		

Table 22-1165 IK4305004 - MODULE SCENARIO ERROR

Alarm	Attributes	Applicable major NE releases
Name: IK4305004 (2684) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.RRH	Severity: critical Specific problem: MODULE SCENARIO ERROR (1070) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates the scenario failure due to no-response from the module.		
Impact: Telecom: The telecom resources processed by the module are lost as the module is out of service. OAM: No impact on OAM service.		
Remedial action: Reset the module. If the alarm persists, replace the module.		

Table 22-1166 IK4305005 - MODULE SCENARIO ERROR

Alarm	Attributes	Applicable major NE releases
Name: IK4305005 (2685) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.TRDU	Severity: critical Specific problem: MODULE SCENARIO ERROR (1070) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates the scenario failure due to no-response from the module.		
Impact: Telecom: The telecom resources processed by the module are lost as the module is out of service. OAM: No impact on OAM service.		
Remedial action: Reset the module. If the alarm persists, replace the module.		

Table 22-1167 IK4305006 - MISSING CALLP SUBSCRIPTION

Alarm	Attributes	Applicable major NE releases
Name: IK4305006 (2686) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.CBCardSpecifics	Severity: critical Specific problem: MISSING CALLP SUBSCRIPTION (1071) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that the CallP instance did not send the subscribe message due to initialization error in the CallP instance.		
Impact: Telecom: The telecom resources processed by the module not operational. OAM: No impact on OAM service.		
Remedial action: Reset the eNodeB.		

Table 22-1168 IK4305007 - MISSING CALLP REQUEST

Alarm	Attributes	Applicable major NE releases
Name: IK4305007 (2687) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.CBCardSpecifics	Severity: critical Specific problem: MISSING CALLP REQUEST (1072) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that there is no request from any CallP instance for the MIM status.		
Impact: Telecom: The telecom resources processed by the module not operational. OAM: No impact on OAM service.		
Remedial action: Reset the eNodeB.		

Table 22-1169 IK4305008 - RESET DB

Alarm	Attributes	Applicable major NE releases
Name: IK4305008 (2688) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: RESET DB (1073) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LT6.0
Description: This alarm indicates the failure to restore database.		
Impact: The controller board resets automatically with an empty database.		
Remedial action: Contact the next level of support.		

Table 22-1170 IK4305009 - INCORRECT FREQUENCY BAND

Alarm	Attributes	Applicable major NE releases
Name: IK4305009 (2689) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: critical Specific problem: INCORRECT FREQUENCY BAND (1074) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that the module is not compatible with the frequency band configuration data.		
Impact: The hardware does not support the frequency indicated in the configuration data.		
Remedial action: Verify the frequency band of the module with the configured frequency band. If the alarm persists, replace the module.		

Table 22-1171 IK4305010 - CELL CONFIGURATION FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4305010 (2690) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: CELL CONFIGURATION FAILURE (1075) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates the failure to configure the cell.		
Impact: Telecom: The telecom service on the cell is disabled. OAM: No impact on OAM service.		
Remedial action: Verify the cell configuration data. Reset the modem and allocate the cell resources.		

Table 22-1172 IK4305011 - MISSING CALLP ACTION

Alarm	Attributes	Applicable major NE releases
Name: IK4305011 (2691) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Cell	Severity: critical Specific problem: MISSING CALLP ACTION (1076) Implicitly cleared: true Default probable cause: softwareError (718)	<ul style="list-style-type: none"> • LT6.0
Description: This alarm indicates that CallP did not update the OAM database.		
Impact: Telecom: The cell is not operational. OAM: No impact on OAM service.		
Remedial action: Perform lock/unlock on the impacted cell. If needed, perform eNodeB reset.		

Table 22-1173 IK4305012 - INVALID CONFIGURATION DATA

Alarm	Attributes	Applicable major NE releases
Name: IK4305012 (2692) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.CBCardSpecifics	Severity: critical Specific problem: INVALID CONFIGURATION DATA (1077) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates inconsistency in the eNodeB configuration data.		
Impact: Telecom: The cell is not operational. OAM: No impact on OAM service.		
Remedial action: Verify and correct the configuration data.		

Table 22-1174 IK4305013 - IP ADDRESS CONFIGURATION DATA MISMATCH

Alarm	Attributes	Applicable major NE releases
Name: IK4305013 (2693) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.MmeTransportLayerAccess	Severity: major Specific problem: IP ADDRESS CONFIGURATION DATA MISMATCH (1078) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a mismatch in the IP address type and the actual IP address specified in the configuration data.		
Impact: Telecom: Telecom traffic is not possible. OAM: No impact on OAM service.		
Remedial action: Verify and correct the configuration data.		

Table 22-1175 IK4305014 - IP ADDRESS CONFIGURATION DATA MISMATCH

Alarm	Attributes	Applicable major NE releases
Name: IK4305014 (2694) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.X2TransportLayerAccess	Severity: major Specific problem: IP ADDRESS CONFIGURATION DATA MISMATCH (1078) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a mismatch in the IP address type and the actual IP address specified in the configuration data.		
Impact: Telecom: Telecom traffic is not possible. OAM: No impact on OAM service.		
Remedial action: Verify and correct the configuration data.		

Table 22-1176 IK4305015 - CONFIGURED SECTORS RESOURCES MISMATCH VERSUS HARDWARE

Alarm	Attributes	Applicable major NE releases
Name: IK4305015 (2695) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.RRH	Severity: minor Specific problem: CONFIGURED SECTORS RESOURCES MISMATCH VERSUS HARDWARE (1079) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates inconsistency in the eNodeB configured sector resources versus the hardware capacity		
Remedial action: Verify and correct the configuration data or Verify and correct the hardware configuration		

Table 22-1177 IK4305016 - PRIMARY CPRI PORT CONFIGURATION MISMATCH

Alarm	Attributes	Applicable major NE releases
Name: IK4305016 (2696) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.RRH	Severity: minor Specific problem: PRIMARY CPRI PORT CONFIGURATION MISMATCH (1080) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates configured primary CPRI port position is conflict with other RRHs real CPRI port position		
Remedial action: Verify and correct the configuration data or Verify and correct the hardware configuration		

Table 22-1178 IK4305017 - INVALID TRANSPORT CONFIGURATION DATA

Alarm	Attributes	Applicable major NE releases
Name: IK4305017 (2697) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.CBCardSpecifics	Severity: critical Specific problem: INVALID TRANSPORT CONFIGURATION DATA (1081) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR13.1 LR13.3 LR14.1.L LT6.0
Description: This alarm indicates an inconsistency in the eNodeB transport configuration data.		
Impact: Telecom: Telecom traffic is not possible. OAM: No impact on OAM service.		
Remedial action: Verify and correct the configuration data.		

Table 22-1179 IK4305018 - PRIMARY IPSEC TUNNEL FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4305018 (2698) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: major Specific problem: PRIMARY IPSEC TUNNEL FAILURE (1082) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates the failure of the primary IPsec tunnel.		
Impact: OAM: The OAM service is impacted. OAM traffic is not possible. Telecom: Telecom traffic is not possible if OAM and Telecom are configured in the first VLAN.		
Remedial action: Check the IP Security configuration.		

Table 22-1180 IK4305019 - SECONDARY IPSEC TUNNEL FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4305019 (2699) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: critical Specific problem: SECONDARY IPSEC TUNNEL FAILURE (1083) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates the failure of the secondary IPsec tunnel.		
Impact: Telecom: Telecom traffic is not possible. OAM: No impact on OAM service.		
Remedial action: Check the IP Security configuration.		

Table 22-1181 IK4305020 - FACTORY MODE

Alarm	Attributes	Applicable major NE releases
Name: IK4305020 (2700) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: warning Specific problem: FACTORY MODE (1084) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that the eNodeB is not completely configured.		
Impact: Telecom: Telecom traffic is not possible. OAM: No impact on OAM service.		
Remedial action: Complete the eNodeB configuration.		

Table 22-1182 IK4305021 - VSWR CONFIGURATION FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4305021 (2701) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RRH	Severity: minor Specific problem: VSWR CONFIGURATION FAILURE (1085) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that the thresholds of the VSWR configuration could not be applied to the eNodeB.		
Impact: Telecom: No impact on telecom service. OAM: No impact on OAM service but VSWR supervision may not be active.		
Remedial action: Verify the correctness of the configuration data. Apply again the data. Reset the eNodeB if it fails.		

Table 22-1183 IK4305022 - VSWR CONFIGURATION FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4305022 (2702) Type: equipmentAlarm (3) Package: lte Raised on class: lte.TRDU	Severity: minor Specific problem: VSWR CONFIGURATION FAILURE (1085) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that the thresholds of the VSWR configuration could not be applied to the eNodeB.		
Impact: Telecom: No impact on telecom service. OAM: No impact on OAM service but VSWR supervision may not be active.		
Remedial action: Verify the correctness of the configuration data. Apply again the data. Reset the eNodeB if it fails.		

Table 22-1184 IK4305023 - DELAY TIMING OUT OF RANGE

Alarm	Attributes	Applicable major NE releases
Name: IK4305023 (2703) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Cell	Severity: critical Specific problem: DELAY TIMING OUT OF RANGE (1086) Implicitly cleared: true Default probable cause: corruptData (910)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that the delay timing values is out of range.		
Impact: Telecom: Telecom traffic is not possible. OAM: No impact on OAM service.		
Remedial action: 1 - Lock the cell. 2 - Verify the correctness of the configuration data. 3 - Unlock the cell.		

Table 22-1185 IK4305024 - MODULE SCENARIO ERROR

Alarm	Attributes	Applicable major NE releases
Name: IK4305024 (2704) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.AMR	Severity: minor Specific problem: MODULE SCENARIO ERROR (1070) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates the scenario failure due to no-response from the module.		
Impact: Telecom: No impact on traffic. OAM: No impact on OAM service. RF Cabinet alarms may not be reported.		
Remedial action: Reset the module. If the alarm persists, replace the module.		

Table 22-1186 IK4305025 - MODULE SCENARIO ERROR

Alarm	Attributes	Applicable major NE releases
Name: IK4305025 (2705) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.TmaAidEntry	Severity: major Specific problem: MODULE SCENARIO ERROR (1070) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates the scenario failure due to no-response from the module.		
Impact: Telecom: The telecom resources processed by the module are lost as the module is out of service. OAM: No impact on OAM service.		
Remedial action: Reset the module. If the alarm persists, replace the module.		

Table 22-1187 IK4305026 - MODULE SCENARIO ERROR

Alarm	Attributes	Applicable major NE releases
Name: IK4305026 (2706) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.RetAidEntry	Severity: minor Specific problem: MODULE SCENARIO ERROR (1070) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates the scenario failure due to no-response from the module.		
Impact: Telecom: No impact on traffic. OAM: No impact on OAM service. Antenna tilt motion may not be available.		
Remedial action: Reset the module. If the alarm persists, replace the module.		

Table 22-1188 IK4305027 - IP ADDRESS CONFIGURATION DATA MISMATCH

Alarm	Attributes	Applicable major NE releases
Name: IK4305027 (2707) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: major Specific problem: IP ADDRESS CONFIGURATION DATA MISMATCH (1078) Implicitly cleared: true Default probable cause: corruptData (910)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that the eNodeB performed an autonomous fallback to the previous transport configuration due to lack of OAM connectivity.		
Impact: Telecom: The cell is not operational. OAM: No impact on OAM service if the eNodeB can be connected by the network management system.		
Remedial action: Verify and correct the configuration data.		

Table 22-1189 IK4305028 - TOTAL ROUND TRIP DELAY EXCEEDED

Alarm	Attributes	Applicable major NE releases
Name: IK4305028 (2708) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Cell	Severity: critical Specific problem: TOTAL ROUND TRIP DELAY EXCEEDED (1087) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that the eNodeB measured total round trip delay exceeds the predefined maximum allowed value as determined by licensing.		
Impact: Telecom: The cell is not operational. OAM: No impact on OAM service.		
Remedial action: Verify setting of isFiberDelayAllowed is consistent with length of BBU to radio link. Parameter isFiberDelayAllowed must be True if BBU to radio link exceeds 500 meters. Verify antennaPathDelayDL and antennaPathDelayUL parameter values. Parameter isDasDelayEnabled must be True if antenna delay exceeds 2100 nanoseconds.		

Table 22-1190 IK4305029 - DELAY COMPENSATION WARNING

Alarm	Attributes	Applicable major NE releases
Name: IK4305029 (2709) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Cell	Severity: warning Specific problem: DELAY COMPENSATION WARNING (1088) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that the eNodeB delay compensation is not accurate enough.		
Impact: Telecom: The cell might be impacted. OAM: No impact on OAM service.		
Remedial action: Verify delay compensation parameters.		

Table 22-1191 IK4305030 - HW SW CAPABILITY CHECK RADIOCAC FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4305030 (2710) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Cell	Severity: major Specific problem: HW SW CAPABILITY CHECK RADIOCAC FAILURE (1089) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that the configuration parameters, number of users per cell and/or number of data bearers per cell, exceed the HW or SW capabilities of the modem.		
Impact: Telecom: The cell is not operational. OAM: No impact on OAM service.		
Remedial action: Verify and correct the configuration data.		

Table 22-1192 IK4305031 - HW SW CAPABILITY CHECK CELL FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4305031 (2711) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Cell	Severity: major Specific problem: HW SW CAPABILITY CHECK CELL FAILURE (1090) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that the configured bandwidth and/or downlink power of the cell and /or band ID is not in line with the HW capabilities.		
Impact: Telecom: The cell is not operational. OAM: No impact on OAM service.		
Remedial action: Verify and correct the configuration data.		

Table 22-1193 IK4305032 - HW SW CAPABILITY CHECK DOWNGRADE

Alarm	Attributes	Applicable major NE releases
Name: IK4305032 (2712) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Cell	Severity: warning Specific problem: HW SW CAPABILITY CHECK DOWNGRADE (1091) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that the configuration data is inconsistent with the HW and SW capabilities of the eNodeB. OAM has downgraded the configured data to be in line with the HW and SW capabilities.		
Impact: Telecom: The cell is operational but degraded. OAM: No impact on OAM service.		
Remedial action: Verify and correct the configuration data.		

Table 22-1194 IK4305033 - DELAY COMPENSATION FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4305033 (2713) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Cell	Severity: critical Specific problem: DELAY COMPENSATION FAILURE (1092) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that the eNodeB is unable to compute a valid downlink/uplink frame offset value for the modem.		
Impact: Telecom: The cell is not operational. OAM: No impact on OAM service.		
Remedial action: Verify the fiber length between the controller board and the remote radio head. Verify the antenna cable length. Verify the delay compensation parameters.		

Table 22-1195 IK4305034 - DELAY COMPENSATION HW CAPABILITY FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4305034 (2714) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Cell	Severity: critical Specific problem: DELAY COMPENSATION HW CAPABILITY FAILURE (1093) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that the eNodeB is unable to compute a valid downlink/uplink frame offset value for the modem because of hardware constraints.		
Impact: Telecom: The cell is not operational. OAM: No impact on OAM service.		
Remedial action: Verify the hardware capabilities of the controller and of the remote radio head.		

Table 22-1196 IK4305035 - MISSING MODEM RESOURCES FOR CONFIGURED LTECELL

Alarm	Attributes	Applicable major NE releases
Name: IK4305035 (3230) Type: equipmentAlarm (3) Package: lte Raised on class: lte.Cell	Severity: warning Specific problem: MISSING MODEM RESOURCES FOR CONFIGURED LTECELL (1094) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that there are not enough modem resources available to support the configured cell.		
Impact: Telecom: The cell is not operational. OAM: No impact on OAM service.		
Remedial action: Verify and correct the configuration data.		

Table 22-1197 IK4305036 - MISSING RFM FOR CONFIGURED LTECELL

Alarm	Attributes	Applicable major NE releases
Name: IK4305036 (3231) Type: equipmentAlarm (3) Package: lte Raised on class: lte.Cell	Severity: warning Specific problem: MISSING RFM FOR CONFIGURED LTECELL (1095) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that there are no sectors or RFMs available to support the configured cell.		
Impact: Telecom: The cell is not operational. OAM: No impact on OAM service.		
Remedial action: Verify and correct the configuration data.		

Table 22-1198 IK4305037 - RFM EQUIPPED WITHOUT LTECELL CONFIGURATION

Alarm	Attributes	Applicable major NE releases
Name: IK4305037 (3232) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RRH	Severity: warning Specific problem: RFM EQUIPPED WITHOUT LTECELL CONFIGURATION (1096) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that there is a RRH equipped but no cell is mapped on the sector.		
Impact: Telecom: The sector is not providing telecom services. OAM: No impact on OAM service.		
Remedial action: Verify and correct the configuration data.		

Table 22-1199 IK4305038 - RFM EQUIPPED WITHOUT LTECELL CONFIGURATION

Alarm	Attributes	Applicable major NE releases
Name: IK4305038 (3233) Type: equipmentAlarm (3) Package: lte Raised on class: lte.TRDU	Severity: warning Specific problem: RFM EQUIPPED WITHOUT LTECELL CONFIGURATION (1096) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that there is a TRDU equipped but no cell is mapped on the sector.		
Impact: Telecom: The sector is not providing telecom services. OAM: No impact on OAM service.		
Remedial action: Verify and correct the configuration data.		

Table 22-1200 IK4305039 - BB EQUIPPED WITHOUT LTECELL CONFIGURATION

Alarm	Attributes	Applicable major NE releases
Name: IK4305039 (3234) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: warning Specific problem: BB EQUIPPED WITHOUT LTECELL CONFIGURATION (1097) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that there is a modem equipped but no cell is mapped.		
Impact: Telecom: The modem board does not provide telecom services. OAM: No impact on OAM service.		
Remedial action: Verify and correct the configuration data.		

Table 22-1201 IK4305040 - HW SW CAPABILITY ANTENNA CONFIGURATION FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4305040 (3235) Type: equipmentAlarm (3) Package: lte Raised on class: lte.Cell	Severity: warning Specific problem: HW SW CAPABILITY ANTENNA CONFIGURATION FAILURE (1098) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that the antenna configuration data is inconsistent with the hardware and software capabilities of the eNodeB.		
Impact: Telecom: The cell is not operational. OAM: No impact on OAM service.		
Remedial action: Verify and correct the configuration data.		

Table 22-1202 IK4305041 - HW SW CAPABILITY DLEARFCN VIOLATE LOWER BANDEDGE

Alarm	Attributes	Applicable major NE releases
Name: IK4305041 (3236) Type: equipmentAlarm (3) Package: lte Raised on class: lte.Cell	Severity: major Specific problem: HW SW CAPABILITY DLEARFCN VIOLATE LOWER BANDEDGE (1099) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that the configured downlink EARFCN with the configured bandwidth violate the lower operating band edge.		
Impact: Telecom: The cell is not operational. OAM: No impact on OAM service.		
Remedial action: Verify and correct the configuration data.		

Table 22-1203 IK4305042 - HW SW CAPABILITY DLEARFCN VIOLATE UPPER BANDEDGE

Alarm	Attributes	Applicable major NE releases
Name: IK4305042 (3237) Type: equipmentAlarm (3) Package: lte Raised on class: lte.Cell	Severity: major Specific problem: HW SW CAPABILITY DLEARFCN VIOLATE UPPER BANDEDGE (1100) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that the configured downlink EARFCN with the configured bandwidth violate the upper operating band edge.		
Impact: Telecom: The cell is not operational. OAM: No impact on OAM service.		
Remedial action: Verify and correct the configuration data.		

Table 22-1204 IK4305043 - HW SW CAPABILITY ULEARFCN VIOLATE LOWER BANDEDGE

Alarm	Attributes	Applicable major NE releases
Name: IK4305043 (3238) Type: equipmentAlarm (3) Package: lte Raised on class: lte.Cell	Severity: major Specific problem: HW SW CAPABILITY ULEARFCN VIOLATE LOWER BANDEDGE (1101) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that the configured uplink EARFCN with the configured bandwidth violate the lower operating band edge.		
Impact: Telecom: The cell is not operational. OAM: No impact on OAM service.		
Remedial action: Verify and correct the configuration data.		

Table 22-1205 IK4305044 - HW SW CAPABILITY ULEARFCN VIOLATE UPPER BANDEDGE

Alarm	Attributes	Applicable major NE releases
Name: IK4305044 (3239) Type: equipmentAlarm (3) Package: lte Raised on class: lte.Cell	Severity: major Specific problem: HW SW CAPABILITY ULEARFCN VIOLATE UPPER BANDEDGE (1102) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that the configured uplink EARFCN with the configured bandwidth violate the upper operating band edge.		
Impact: Telecom: The cell is not operational. OAM: No impact on OAM service.		
Remedial action: Verify and correct the configuration data.		

Table 22-1206 IK4305045 - HW SW CAPABILITY RACK DOES NOT SUPPORT MODEM

Alarm	Attributes	Applicable major NE releases
Name: IK4305045 (3240) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: HW SW CAPABILITY RACK DOES NOT SUPPORT MODEM (1103) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that the equipped modem version is not support by d2u rack version.		
Impact: Telecom: The modem board is not operational and can not provide telecom services. OAM: No impact on OAM service.		
Remedial action: Verify and correct the equipment configuration.		

Table 22-1207 IK4305046 - LOSS OF GEO LOC PHASE SYNC

Alarm	Attributes	Applicable major NE releases
Name: IK4305046 (3241) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: major Specific problem: LOSS OF GEO LOC PHASE SYNC (1104) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that the 100ns phase sync can no longer be guaranteed due to loss of GPS reference.		
Impact: Telecom: OTDOA service is no longer supported. Telecom traffic is still possible. OAM: No impact on OAM service.		
Remedial action: Resolve faulty references.		

Table 22-1208 IK4305047 - CDMA PHASE SYNC HOLDOVER TIMER EXPIRED

Alarm	Attributes	Applicable major NE releases
Name: IK4305047 (3242) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: major Specific problem: CDMA PHASE SYNC HOLDOVER TIMER EXPIRED (1105) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that the phase sync holdover time expired. The LTE to HRPD enhanced non optimized handover is no longer possible.		
Impact: Telecom: LTE to HRPD enhanced handover not possible. OAM: None.		
Remedial action: Resolve faulty references.		

Table 22-1209 IK4305048 - CT NOT STARTED DUE TO ACTIVE DDT

Alarm	Attributes	Applicable major NE releases
Name: IK4305048 (3243) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: minor Specific problem: CT NOT STARTED DUE TO ACTIVE DDT (1106) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that call trace could not be started because dynamic debug trace is already active.		
Impact: Telecom: No impact on telecom service. OAM: No impact on OAM service.		
Remedial action: Verify and correct the configuration data.		

Table 22-1210 IK4305049 - DDT NOT STARTED DUE TO ACTIVE CT

Alarm	Attributes	Applicable major NE releases
Name: IK4305049 (3244) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: minor Specific problem: DDT NOT STARTED DUE TO ACTIVE CT (1107) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that dynamic debug trace could not be started because call trace is already active.		
Impact: Telecom: No impact on telecom service. OAM: No impact on OAM service.		
Remedial action: Verify and correct the configuration data.		

Table 22-1211 IK4305050 - TRACE CONFIGURATION FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4305050 (3245) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: minor Specific problem: TRACE CONFIGURATION FAILURE (1108) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that the trace server destination could not be configured.		
Impact: Telecom: No impact on telecom service. OAM: No impact on OAM service.		
Remedial action: Verify and correct the configuration data. If the problem persists, reset the eNodeB.		

Table 22-1212 IK4305051 - UNCOMPLETE ENB SCENARIO RELATED TO CELL

Alarm	Attributes	Applicable major NE releases
Name: IK4305051 (3246) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.Cell	Severity: critical Specific problem: UNCOMPLETE ENB SCENARIO RELATED TO CELL (1109) Implicitly cleared: true Default probable cause: softwareError (718)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that the Cell Setup scenario failed due to a missing or incomplete internal action.		
Impact: Telecom: The cell is not operational. OAM: No impact on OAM service.		
Remedial action: Perform lock/unlock on the impacted cell. If needed, perform eNodeB reset.		

Table 22-1213 IK4305052 - FEATURE UNLIMITED PRB LICENSE NOT SUPPORTED

Alarm	Attributes	Applicable major NE releases
Name: IK4305052 (3247) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.ENBEquipment	Severity: warning Specific problem: FEATURE UNLIMITED PRB LICENSE NOT SUPPORTED (1110) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a modem type feature mismatch, feature UnlimitedPRBLicense is disabled by eNodeB OAM.		
Impact: No impact on eNodeB except for the feature UnlimitedPRBLicense which is disabled.		
Remedial action: Ensure compatibility between the eNodeB configuration data and the equipped modem type.		

Table 22-1214 IK4305053 - FEATURE MOBILITY TO 1XRTT NOT SUPPORTED

Alarm	Attributes	Applicable major NE releases
Name: IK4305053 (3248) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.ENBEquipment	Severity: warning Specific problem: FEATURE MOBILITY TO 1XRTT NOT SUPPORTED (1111) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a modem type feature mismatch, MobilityTo1xRTT feature disabled by eNodeB OAM.		
Impact: No impact on eNodeB except for the feature MobilityTo1xRTT which is disabled.		
Remedial action: Ensure compatibility between the eNodeB configuration data and the equipped modem type.		

Table 22-1215 IK4305054 - FEATURE UE CATEGORY 4 NOT SUPPORTED

Alarm	Attributes	Applicable major NE releases
Name: IK4305054 (3249) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: warning Specific problem: FEATURE UE CATEGORY 4 NOT SUPPORTED (1112) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a modem type feature mismatch, UeCategory4 feature disabled by eNodeB OAM.		
Impact: No impact on eNodeB except for the feature UeCategory4 which is disabled.		
Remedial action: Ensure compatibility between the eNodeB configuration data and the equipped modem type.		

Table 22-1216 IK4305055 - FEATURE SPS NOT SUPPORTED

Alarm	Attributes	Applicable major NE releases
Name: IK4305055 (3250) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: warning Specific problem: FEATURE SPS NOT SUPPORTED (1113) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a modem type feature mismatch, Sps feature is disabled by eNodeB OAM.		
Impact: No impact on eNodeB except for the feature Sps which is disabled.		
Remedial action: Ensure compatibility between the eNodeB configuration data and the equipped modem type.		

Table 22-1217 IK4305056 - FEATURE ROHC NOT SUPPORTED

Alarm	Attributes	Applicable major NE releases
Name: IK4305056 (3251) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: warning Specific problem: FEATURE ROHC NOT SUPPORTED (1114) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a modem type feature mismatch, Rohc feature is disabled by eNodeB OAM.		
Impact: No impact on eNodeB except for the feature Rohc which is disabled.		
Remedial action: Ensure compatibility between the eNodeB configuration data and the equipped modem type.		

Table 22-1218 IK4305057 - FEATURE ECID NOT SUPPORTED

Alarm	Attributes	Applicable major NE releases
Name: IK4305057 (3252) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: warning Specific problem: FEATURE ECID NOT SUPPORTED (1115) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LT6.0
Description: This alarm indicates a modem type feature mismatch, Ecid feature is disabled by eNodeB OAM.		
Impact: No impact on eNodeB except for the feature Ecid which is disabled.		
Remedial action: Ensure compatibility between the eNodeB configuration data and the equipped modem type.		

Table 22-1219 IK4305058 - FEATURE OTDOA HEARABILITY ENHANCEMENT SUPPORT NOT SUPPORTED

Alarm	Attributes	Applicable major NE releases
Name: IK4305058 (3253) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: warning Specific problem: FEATURE OTDOA HEARABILITY ENHANCEMENT SUPPORT NOT SUPPORTED (1116) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LT6.0
Description: This alarm indicates a modem type feature mismatch, OTDOAHearabilityEnhancement feature is disabled by eNodeB OAM.		
Impact: No impact on eNodeB except for the feature OTDOAHearabilityEnhancement which is disabled.		
Remedial action: Ensure compatibility between the eNodeB configuration data and the equipped modem type.		

Table 22-1220 IK4305059 - FEATURE 4 RX DIVERSITY NOT SUPPORTED

Alarm	Attributes	Applicable major NE releases
Name: IK4305059 (3254) Type: equipmentAlarm (3) Package: lte Raised on class: lte.Cell	Severity: warning Specific problem: FEATURE 4 RX DIVERSITY NOT SUPPORTED (1117) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a modem type feature 4RxDiversity mismatch, lteCell is operating in degraded mode.		
Impact: No impact on eNodeB except for the feature 4RxDiversity which is disabled.		
Remedial action: Ensure compatibility between the eNodeB configuration data and the equipped modem type.		

Table 22-1221 IK4305060 - FEATURE SYNC SIGNALS DIVERSITY NOT SUPPORTED

Alarm	Attributes	Applicable major NE releases
Name: IK4305060 (3255) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.Cell	Severity: warning Specific problem: FEATURE SYNC SIGNALS DIVERSITY NOT SUPPORTED (1118) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a modem type feature mismatch, SyncSignalsDiversity feature is disabled by eNodeB OAM.		
Impact: No impact on eNodeB except for the feature SyncSignalsDiversity which is disabled.		
Remedial action: Ensure compatibility between the eNodeB configuration data and the equipped modem type.		

Table 22-1222 IK4305061 - FEATURE NOT SUPPORTED

Alarm	Attributes	Applicable major NE releases
Name: IK4305061 (3256) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.Cell	Severity: warning Specific problem: FEATURE NOT SUPPORTED (1119) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a modem type feature mismatch, feature is disabled by OAM.		
Impact: No impact on eNodeB except for the feature which is disabled.		
Remedial action: Ensure compatibility between the eNodeB configuration data and the equipped modem type.		

Table 22-1223 IK4305062 - EXPECTED MODEM NOT EQUIPPED

Alarm	Attributes	Applicable major NE releases
Name: IK4305062 (3257) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.BBCardSpecifics	Severity: critical Specific problem: EXPECTED MODEM NOT EQUIPPED (1120) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LT6.0
Description: This alarm indicates that equipped modem type does not fit the expectedModemType in the database.		
Impact: All features of modem type are not supported and modem is disabled by eNodeB OAM.		
Remedial action: Ensure compatibility between the eNodeB configuration data and the equipped modem type.		

Table 22-1224 IK4305065 - TMA SOFTWARE DOWNLOAD FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4305065 (3260) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.TmaAldEntry	Severity: minor Specific problem: TMA SOFTWARE DOWNLOAD FAILURE (1123) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that the software download to the TMA unit failed.		
Impact: The telecom service may be degraded because of missing TMA amplification.		
Remedial action: Retry the download. If the problem persists, contact the next level support.		

Table 22-1225 IK4305066 - RET SOFTWARE DOWNLOAD FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4305066 (3261) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.RetAldEntry	Severity: minor Specific problem: RET SOFTWARE DOWNLOAD FAILURE (1124) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that the software download to the RET unit failed.		
Impact: No impact on eNodeB except that the antenna tilting can not be changed.		
Remedial action: Retry the download. If the problem persists, contact the next level support.		

Table 22-1226 IK4305067 - RET ANTENNA CONFIGURATION FILE DOWNLOAD FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4305067 (3262) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.RetAldEntry	Severity: minor Specific problem: RET ANTENNA CONFIGURATION FILE DOWNLOAD FAILURE (1125) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that the configuration file download to the RET unit failed.		
Impact: No impact on eNodeB except that the antenna tilting can not be changed.		
Remedial action: Retry the download. If the problem persists, contact the next level support.		

Table 22-1227 IK4305068 - ANTENNA PATH LOST

Alarm	Attributes	Applicable major NE releases
Name: IK4305068 (3263) Type: equipmentAlarm (3) Package: lte Raised on class: lte.Cell	Severity: warning Specific problem: ANTENNA PATH LOST (1126) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that at least one antenna path of that cell is lost and that the cell operates in degraded mode (e.g. SIMO/SISO instead of MIMO).		
Impact: Telecom: The cell is still operational, but operates in degraded mode. OAM: No impact on OAM service.		
Remedial action: Verify the antennas and the RFM, belonging to the cell.		

Table 22-1228 IK4305069 - UNKNOWN FAULT

Alarm	Attributes	Applicable major NE releases
Name: IK4305069 (3264) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.CBCardSpecifics	Severity: warning Specific problem: UNKNOWN FAULT (1127) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that the OAM layer of the eNodeB received an unknown fault from an other software layer. A specific handling of this unknown fault is not possible. Eventually available information about the unknown fault is provided in the alarm additional information attribute.		
Impact: The impact on the eNodeB depends on the nature of the unknown fault.		
Remedial action: Contact the next level of support.		

Table 22-1229 IK4305070 - 3GPP TEST MODE CONFIGURATION FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4305070 (3265) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Cell	Severity: warning Specific problem: 3GPP TEST MODE CONFIGURATION FAILURE (1128) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that during the configuration of the 3GPP test mode the call processing layer or the modem software failed to process the provided configuration.		
Impact: The configuration of the desired 3GPP test mode on the cell failed. The test can not be started.		
Remedial action: Check and correct the configuration data. Lock/unlock the cell. If the problem persists, contact the next level support.		

Table 22-1230 IK4305071 - CELL DIV IMBALANCE THRESHOLD EXCEEDED

Alarm	Attributes	Applicable major NE releases
Name: IK4305071 (3266) Type: equipmentAlarm (3) Package: lte Raised on class: lte.Cell	Severity: warning Specific problem: CELL DIV IMBALANCE THRESHOLD EXCEEDED (1129) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates the exceedance of the imbalance threshold between the diversity receive signals.		
Impact: No impact on eNodeB.		
Remedial action: Check the antennas and antenna cables and connections. If the problem persists then replace the RFM.		

Table 22-1231 IK4305072 - OAM CELL FAULT 1

Alarm	Attributes	Applicable major NE releases
Name: IK4305072 (3267) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Cell	Severity: warning Specific problem: OAM CELL FAULT 1 (1130) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. This is a spare alarm for future use.		
Impact: Unknown.		
Remedial action: Call the next level of support.		

Table 22-1232 IK4305073 - OAM CELL FAULT 2

Alarm	Attributes	Applicable major NE releases
Name: IK4305073 (3268) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Cell	Severity: warning Specific problem: OAM CELL FAULT 2 (1131) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. This is a spare alarm for future use.		
Impact: Unknown.		
Remedial action: Call the next level of support.		

Table 22-1233 IK4305074 - OAM CELL FAULT 3

Alarm	Attributes	Applicable major NE releases
Name: IK4305074 (3269) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Cell	Severity: warning Specific problem: OAM CELL FAULT 3 (1132) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. This is a spare alarm for future use.		
Impact: Unknown.		
Remedial action: Call the next level of support.		

Table 22-1234 IK4305075 - OAM CELL FAULT 4

Alarm	Attributes	Applicable major NE releases
Name: IK4305075 (3270) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Cell	Severity: warning Specific problem: OAM CELL FAULT 4 (1133) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. This is a spare alarm for future use.		
Impact: Unknown.		
Remedial action: Call the next level of support.		

Table 22-1235 IK4305076 - OAM CELL FAULT 5

Alarm	Attributes	Applicable major NE releases
Name: IK4305076 (3271) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Cell	Severity: warning Specific problem: OAM CELL FAULT 5 (1134) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. This is a spare alarm for future use.		
Impact: Unknown.		
Remedial action: Call the next level of support.		

Table 22-1236 IK4305077 - FEATURE GEO LOC PHASE SYNCH NOT SUPPORTED

Alarm	Attributes	Applicable major NE releases
Name: IK4305077 (3664) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: warning Specific problem: FEATURE GEO LOC PHASE SYNCH NOT SUPPORTED (1135) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a modem type feature mismatch, Geo loc phase synch feature is disabled by eNodeB OAM.		
Impact: No impact on eNodeB except for the feature Geo loc phase synch which is disabled.		
Remedial action: Ensure compatibility between the eNodeB configuration data and the equipped modem type.		

Table 22-1237 IK4305078 - FEATURE IMS EMERGENCY CALL NOT SUPPORTED

Alarm	Attributes	Applicable major NE releases
Name: IK4305078 (3665) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: warning Specific problem: FEATURE IMS EMERGENCY CALL NOT SUPPORTED (1136) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a modem type feature mismatch, IMS emergency call feature is disabled by eNodeB OAM.		
Impact: No impact on eNodeB except for the feature IMS emergency call which is disabled.		
Remedial action: Ensure compatibility between the eNodeB configuration data and the equipped modem type.		

Table 22-1238 IK4305079 - FEATURE RACH 2 FORMAT NOT SUPPORTED

Alarm	Attributes	Applicable major NE releases
Name: IK4305079 (3666) Type: equipmentAlarm (3) Package: lte Raised on class: lte.Cell	Severity: critical Specific problem: FEATURE RACH 2 FORMAT NOT SUPPORTED (1137) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a modem type feature RACH 2 format mismatch, lteCell is disabled by OAM.		
Impact: Telecom: The cell is not operational. OAM: No impact on OAM service.		
Remedial action: 1 - Lock the cell. 2 - Ensure compatibility between the eNodeB configuration data and the equipped modem type. 3 - Unlock the cell.		

Table 22-1239 IK4305080 - FEATURE DAS DELAY NOT SUPPORTED

Alarm	Attributes	Applicable major NE releases
Name: IK4305080 (3667) Type: equipmentAlarm (3) Package: lte Raised on class: lte.Cell	Severity: critical Specific problem: FEATURE DAS DELAY NOT SUPPORTED (1138) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a modem type feature DAS delay mismatch, lteCell is disabled by OAM.		
Impact: Telecom: The cell is not operational. OAM: No impact on OAM service.		
Remedial action: 1 - Lock the cell. 2 -Ensure compatibility between the eNodeB configuration data and the equipped modem type. 3 - Unlock the cell.		

Table 22-1240 IK4305082 - ALL ANTENNA PATHS LOST

Alarm	Attributes	Applicable major NE releases
Name: IK4305082 (3669) Type: equipmentAlarm (3) Package: lte Raised on class: lte.Cell	Severity: major Specific problem: ALL ANTENNA PATHS LOST (1140) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that all antenna paths of that cell are lost and that the cell is disabled.		
Impact: Telecom: The cell is not operational. OAM: No impact on OAM service.		
Remedial action: Verify the antennas and the RFM, belonging to the cell.		

Table 22-1241 IK4305083 - FEATURE LONG FIBER NOT SUPPORTED

Alarm	Attributes	Applicable major NE releases
Name: IK4305083 (3670) Type: equipmentAlarm (3) Package: lte Raised on class: lte.Cell	Severity: critical Specific problem: FEATURE LONG FIBER NOT SUPPORTED (1141) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a modem type feature long fibre delay mismatch, lteCell is disabled by OAM.		
Impact: Equipped modem type does not support long fiber lengths, lteCell is disabled by eNodeB OAM.		
Remedial action: Ensure compatibility between the eNodeB configuration data and the equipped modem type.		

Table 22-1242 IK4305084 - INCOMPATIBLE CONFIGURATION MAJOR

Alarm	Attributes	Applicable major NE releases
Name: IK4305084 (3671) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: INCOMPATIBLE CONFIGURATION MAJOR (1142) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: The LTE controller has encountered an error while configuring this RE, possibly due to an incompatibility in the interface between controller and RE. As a result a cell assigned to this RE cannot be configured and activated.		
Impact: All cells assigned to the impacted RE, can not be configured or activated.		
Remedial action: Reconfigure the RE to correct the value of any parameter described in the alarm additional information.		

Table 22-1243 IK4305085 - INCOMPATIBLE CONFIGURATION WARNING

Alarm	Attributes	Applicable major NE releases
Name: IK4305085 (3672) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: warning Specific problem: INCOMPATIBLE CONFIGURATION WARNING (1143) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: The LTE controller has encountered an error while configuring the RE but the cell(s) on this RE can still be activated.		
Impact: The cell(s) on the impacted MSRE may not be fully operational.		
Remedial action: Reconfigure the RE to correct the value of any parameter described in the alarm additional information. If this is a multistandard RE and the parameter applies to a common resource of the RE then the value must be Unset.		

Table 22-1244 IK4305086 - LOCAL CELL POWER LIMIT EXCEEDED

Alarm	Attributes	Applicable major NE releases
Name: IK4305086 (3673) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: minor Specific problem: LOCAL CELL POWER LIMIT EXCEEDED (1144) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: The downlink total power for a cell assigned to this RE exceeds the Local Cell Power Limit set at installation time.		
Impact: All cells assigned to the impacted RE, can not be configured or activated.		
Remedial action: Reconfigure the cell of this RE: set the power to be less than or equal to the local cell power limit defined for this MSRE at installation time.		

Table 22-1245 IK4305088 - CONFIGURATION DATA MISMATCH VERSUS HARDWARE

Alarm	Attributes	Applicable major NE releases
Name: IK4305088 (3828) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.RRH	Severity: warning Specific problem: CONFIGURATION DATA MISMATCH VERSUS HARDWARE (1146) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates inconsistency in the eNodeB configuration data versus the equipped hardware.		
Impact: Telecom: The affected hardware and the assigned cell is not operational. OAM: No impact on OAM service.		
Remedial action: Verify and correct the configuration data. Verify and correct the hardware configuration		

Table 22-1246 IK4305089 - CONFIGURATION DATA MISMATCH VERSUS HARDWARE

Alarm	Attributes	Applicable major NE releases
Name: IK4305089 (3829) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.TRDU	Severity: warning Specific problem: CONFIGURATION DATA MISMATCH VERSUS HARDWARE (1146) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates inconsistency in the eNodeB configuration data versus the equipped hardware.		
Impact: Telecom: The affected hardware and the assigned cell is not operational. OAM: No impact on OAM service.		
Remedial action: Verify and correct the configuration data. Verify and correct the hardware configuration		

Table 22-1247 IK4305090 - CONFIGURATION DATA MISMATCH VERSUS HARDWARE

Alarm	Attributes	Applicable major NE releases
Name: IK4305090 (3830) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.ENBEquipment	Severity: warning Specific problem: CONFIGURATION DATA MISMATCH VERSUS HARDWARE (1146) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates inconsistency in the eNodeB configuration data versus the equipped hardware.		
Impact: Telecom: The affected hardware and the assigned cell is not operational. OAM: No impact on OAM service.		
Remedial action: Verify and correct the configuration data. Verify and correct the hardware configuration		

Table 22-1248 IK4305091 - HW SW CAPABILITY CHECK ANTENNA PORT

Alarm	Attributes	Applicable major NE releases
Name: IK4305091 (3831) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: warning Specific problem: HW SW CAPABILITY CHECK ANTENNA PORT (1147) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates inconsistency in the eNodeB AntennaPort configuration data		
Impact: Telecom: No impact on Telecom service. OAM: No impact on OAM service.		
Remedial action: Verify and correct the configuration data.		

Table 22-1249 IK4305092 - CMS INIT FAILED (ERROR)

Alarm	Attributes	Applicable major NE releases
Name: IK4305092 (3832) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: major Specific problem: CMS INIT FAILED (ERROR) (1148) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates CMS(Certificate Management Support) initialization request failure due to an error.		
Impact: The certificate enrollment can not start. eNB didn't receive the certificate bundle due to an error on CMP initialization request.		
Remedial action: Check the Sub CMS configuration. Verify and correct the CMS configuration data based on the error code received. Check the network connection. eNB has to get the valid operator-signed certificate(s) before the concerned traffic can be resumed.		

Table 22-1250 IK4305093 - CMS INIT FAILED (TIMEOUT)

Alarm	Attributes	Applicable major NE releases
Name: IK4305093 (3833) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: major Specific problem: CMS INIT FAILED (TIMEOUT) (1149) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates CMS(Certificate Management Support) initialization request failure due to timeout.		
Impact: The certificate enrollment can not start. eNB didn't receive the certificate bundle due to time out waiting response on CMP initialization request.		
Remedial action: eNB has to get the valid operator-signed certificate(s) before the concerned traffic can be resumed. Check the network connection, then check IP connectivity, HTTP connectivity and Sub CMS/CMS server connectivity. Check the Sub CMS/CMS configuration.		

Table 22-1251 IK4305094 - CMS KEY UPDATE FAILED (ERROR)

Alarm	Attributes	Applicable major NE releases
Name: IK4305094 (3834) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: major Specific problem: CMS KEY UPDATE FAILED (ERROR) (1150) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates CMS(Certificate Management Support) key update failure due to an error.		
Impact: The certificate enrollment can not start. eNB didn't receive the certificate bundle due to an error on CMP key update request.		
Remedial action: Check the Sub CMS configuration. Verify and correct the CMS configuration data based on the error code received.		

Table 22-1252 IK4305095 - CMS KEY UPDATE FAILED (TIMEOUT)

Alarm	Attributes	Applicable major NE releases
Name: IK4305095 (3835) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: major Specific problem: CMS KEY UPDATE FAILED (TIMEOUT) (1151) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates CMS(Certificate Management Support) key update activity failure due to timeout.		
Impact: The certificate enrollment can not start. eNB did not receive the certificate bundle due to time out waiting response on CMP key update request.		
Remedial action: The eNodeB did not receive a message response back from the Sub-CMS during a CMP message exchange. The timeout could be because the Sub CMS is not online or the CMS IP address was incorrect or the network is down or some other failure reason.		

Table 22-1253 IK4305097 - OPERATOR CERTIFICATE ENROLLMENT ERROR

Alarm	Attributes	Applicable major NE releases
Name: IK4305097 (3837) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: major Specific problem: OPERATOR CERTIFICATE ENROLLMENT ERROR (1153) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that certificate enrollment can not be started because no authentication credentials were found.		
Impact: eNodeB can not start the operator certificate enrollment.		

(1 of 2)

22 – Alcatel-Lucent 9xxx eNodeB alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: Provide the shared key for authentication of CMPv2 messages . eNodeB uses a shared key for authentication to Sub CMS when performing certificate enrollment.		

(2 of 2)

Table 22-1254 IK4305098 - #3 IPSEC TUNNEL FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4305098 (3838) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: major Specific problem: #3 IPSEC TUNNEL FAILURE (1154) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3
Description: This alarm indicates a failure of IPsec tunnel (#3).		
Impact: Telecom: Telecom traffic is not possible. OAM: No impact on OAM service.		
Remedial action: Check the IP Security configuration.		

Table 22-1255 IK4305099 - FEATURE eMBMS NOT SUPPORTED

Alarm	Attributes	Applicable major NE releases
Name: IK4305099 (3839) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: warning Specific problem: FEATURE eMBMS NOT SUPPORTED (1155) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that the cell configuration for eMBMS feature is not supported by equipped modem type		
Impact: No impact on eNodeB except for the feature eMBMS which is disabled.		
Remedial action: Ensure compatibility between the eNodeB configuration data and the equipped modem type.		

Table 22-1256 IK4305100 - FEATURE TTI BUNDLING FOR VoIP NOT SUPPORTED

Alarm	Attributes	Applicable major NE releases
Name: IK4305100 (3840) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: warning Specific problem: FEATURE TTI BUNDLING FOR VoIP NOT SUPPORTED (1156) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Description: This alarm indicates that the cell configuration for TTI bundling for VoIP feature is not supported by equipped modem type		
Impact: No impact on eNodeB except for the feature TTI bundling for VoIP which is disabled.		
Remedial action: Ensure compatibility between the eNodeB configuration data and the equipped modem type.		

(2 of 2)

Table 22-1257 IK4305101 - FEATURE DUAL-BAND NOT SUPPORTED

Alarm	Attributes	Applicable major NE releases
Name: IK4305101 (3841) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.Cell	Severity: critical Specific problem: FEATURE DUAL-BAND NOT SUPPORTED (1157) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that the cell configuration with dual band ID is not supported by equipped modem type		
Impact: Telecom: The cell is not operational. OAM: No impact on OAM service.		
Remedial action: Verify and correct the configuration data.		

Table 22-1258 IK4305102 - FEATURE DUPLEX MODE NOT SUPPORTED

Alarm	Attributes	Applicable major NE releases
Name: IK4305102 (3842) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.Cell	Severity: critical Specific problem: FEATURE DUPLEX MODE NOT SUPPORTED (1158) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that the cell configuration duplex-mode is not supported by equipped modem type		
Impact: Telecom: The cell is not operational. OAM: No impact on OAM service.		
Remedial action: Verify and correct the configuration data.		

Table 22-1259 IK4305103 - FEATURE OP-PUCCH NOT SUPPORTED

Alarm	Attributes	Applicable major NE releases
Name: IK4305103 (3843) Type: equipmentAlarm (3) Package: lte Raised on class: lte.Cell	Severity: warning Specific problem: FEATURE OP-PUCCH NOT SUPPORTED (1159) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that the cell configuration for OP-PUCCH is not supported by equipped modem type		
Impact: No impact on eNodeB except for the feature OP-PUCCH per cell which is disabled.		
Remedial action: Verify and correct the configuration data.		

Table 22-1260 IK4305104 - HW SW CAPABILITY DOWNLINK CONFIGURATION FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4305104 (3844) Type: equipmentAlarm (3) Package: lte Raised on class: lte.Cell	Severity: critical Specific problem: HW SW CAPABILITY DOWNLINK CONFIGURATION FAILURE (1160) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that the cell DL configuration is not supported by equipped modem type		
Impact: Telecom: The cell is not operational. OAM: No impact on OAM service.		
Remedial action: Verify and correct the configuration data.		

Table 22-1261 IK4305105 - FEATURE 3 MHZ NOT SUPPORTED BY MODEM TYPE

Alarm	Attributes	Applicable major NE releases
Name: IK4305105 (3845) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: critical Specific problem: FEATURE 3 MHZ NOT SUPPORTED BY MODEM TYPE (1161) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that modem type does not support 3 MHz bandwidth.		
Impact: Equipped modem type does not support 3 MHz and modem is disabled by eNodeB OAM.		
Remedial action: Ensure compatibility between the eNodeB configuration data and the equipped modem type.		

Table 22-1262 IK4305106 - #4 IPSEC TUNNEL FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4305106 (3846) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: major Specific problem: #4 IPSEC TUNNEL FAILURE (1162) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates the failure of the IPsec tunnel (#4).		
Impact: Telecom: Telecom traffic is not possible. OAM: No impact on OAM service.		
Remedial action: Check the IP Security configuration.		

Table 22-1263 IK4305107 - #5 IPSEC TUNNEL FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4305107 (3847) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: major Specific problem: #5 IPSEC TUNNEL FAILURE (1163) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates the failure of the IPsec tunnel (#5).		
Impact: Telecom: Telecom traffic is not possible. OAM: No impact on OAM service.		
Remedial action: Check the IP Security configuration.		

Table 22-1264 IK4305108 - #6 IPSEC TUNNEL FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4305108 (3848) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: major Specific problem: #6 IPSEC TUNNEL FAILURE (1164) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates the failure of the IPsec tunnel (#6).		
Impact: Telecom: Telecom traffic is not possible. OAM: No impact on OAM service.		
Remedial action: Check the IP Security configuration.		

Table 22-1265 IK4305109 - #7 IPSEC TUNNEL FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4305109 (3849) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: major Specific problem: #7 IPSEC TUNNEL FAILURE (1165) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates the failure of the IPsec tunnel (#7).		
Impact: Telecom: Telecom traffic is not possible. OAM: No impact on OAM service.		
Remedial action: Check the IP Security configuration.		

Table 22-1266 IK4305110 - #8 IPSEC TUNNEL FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4305110 (3850) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: major Specific problem: #8 IPSEC TUNNEL FAILURE (1166) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates the failure of the IPsec tunnel (#8).		
Impact: Telecom: Telecom traffic is not possible. OAM: No impact on OAM service.		
Remedial action: Check the IP Security configuration.		

Table 22-1267 IK4305111 - #9 IPSEC TUNNEL FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4305111 (3851) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: major Specific problem: #9 IPSEC TUNNEL FAILURE (1167) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates the failure of the IPsec tunnel (#9).		
Impact: Telecom: Telecom traffic is not possible. OAM: No impact on OAM service.		
Remedial action: Check the IP Security configuration.		

Table 22-1268 IK4305112 - #10 IPSEC TUNNEL FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4305112 (3852) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: major Specific problem: #10 IPSEC TUNNEL FAILURE (1168) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates the failure of the IPsec tunnel (#10).		
Impact: Telecom: Telecom traffic is not possible. OAM: No impact on OAM service.		
Remedial action: Check the IP Security configuration.		

Table 22-1269 IK4305113 - DNS SERVICE UNAVAILABLE

Alarm	Attributes	Applicable major NE releases
Name: IK4305113 (3853) Type: securityServiceOrMechanismViolation (92) Package: lte Raised on class: lte.ENBEquipment	Severity: major Specific problem: DNS SERVICE UNAVAILABLE (1169) Implicitly cleared: true Default probable cause: communicationsSubsystemFailure (915)	<ul style="list-style-type: none"> • LR13.1 • LR13.3
Description: This alarm indicates that No DNS server at all is available for resolving a symbolic address to a numeric IP address		
Impact: The IPsec tunnel cannot be setup since IKEv2 fails.		
Remedial action: Check the state of DNS server(s) and the state of the comm. network between eNB and DNS		

Table 22-1270 IK4305114 - INCOMPATIBLE UCF MIM VERSION

Alarm	Attributes	Applicable major NE releases
Name: IK4305114 (4712) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: minor Specific problem: INCOMPATIBLE UCF MIM VERSION (1170) Implicitly cleared: true Default probable cause: versionMismatch (405)	<ul style="list-style-type: none"> • LR13.1 • LR13.3
Description: This alarm indicates the MIM version of the UCF is incompatible with the MIM version of the running SW version.		
Impact: UCF is not used during data migration to provide default values for attributes. Default values from eNB software are used instead.		
Remedial action: Generate a UCF that is compatible with the MIM version of the running SW version.		

Table 22-1271 IK4305115 - INVALID UCF

Alarm	Attributes	Applicable major NE releases
Name: IK4305115 (4713) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: minor Specific problem: INVALID UCF (1171) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> LR13.1 LR13.3
Description: This alarm indicates that the UCF has an error that prevents it from being used by the eNodeB.		
Impact: UCF is not used during data migration to provide default values for attributes. Default values from eNB software are used instead.		
Remedial action: Generate a UCF that is valid, readable and syntactically correct.		

Table 22-1272 IK4305116 - SECONDARY CPRI PORT CONFIGURATION MISMATCH

Alarm	Attributes	Applicable major NE releases
Name: IK4305116 (5352) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.RRH	Severity: minor Specific problem: SECONDARY CPRI PORT CONFIGURATION MISMATCH (1172) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates configured secondary CPRI port position is conflict with its real secondary CPRI port position or other RRHs real CPRI port position.		
Remedial action: Verify and correct the configuration data or Verify and correct the hardware configuration		

Table 22-1273 IK4305117 - CELL ANTENNA PORT NUMBER MISMATCH VERSUS MODEM LOAD TYPE

Alarm	Attributes	Applicable major NE releases
Name: IK4305117 (5353) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Cell	Severity: major Specific problem: CELL ANTENNA PORT NUMBER MISMATCH VERSUS MODEM LOAD TYPE (1173) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates the DL/UL antenna number configured for this Cell mismatch with Modem load. Triggers for raising the alarm: 1. If (lteCell->numberOfULAntennas !=8 Or CellActivationService.IsMultiRRHEnabled=True) AND EnbTDD.Is8ALoadNeeded=False 2. If (lteCell->numberOfULAntennas!=8 AND CellActivationService.IsMultiRRHEnabled=False) AND EnbTDD.Is8ALoadNeeded=True Triggers for clear the alarm: 1. If (lteCell->numberOfULAntennas ==8 Or CellActivationService.IsMultiRRHEnabled=True) AND EnbTDD.Is8ALoadNeeded=True 2. If (lteCell->numberOfULAntennas!=8 AND CellActivationService.IsMultiRRHEnabled=False) AND EnbTDD.Is8ALoadNeeded=False"		
Remedial action: Online modify parameter is8ALoadNeeded on EnbTDD object or modify DL/UL antenna number configuration of lteCell to make them consistent.		

Table 22-1274 IK4305118 - M3 LINK RESET DUE ON-LINE M3-INTERFACE CLASS PARAMETER UPDATE

Alarm	Attributes	Applicable major NE releases
Name: IK4305118 (5354) Type: communicationsAlarm (4) Package: lte Raised on class: lte.M3MmeTransportLayerAccess	Severity: variable Specific problem: M3 LINK RESET DUE ON-LINE M3-INTERFACE CLASS PARAMETER UPDATE (1174) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> LR14.1.L
Description: This event indicates M3 link has reset when operator updates the value of M3-interface Class parameter on-line.		
Remedial action: No action is required.		

Table 22-1275 IK4305119 - AUTOMATED HANDOVER PARAMETER ADJUSTMENT NOT POSSIBLE

Alarm	Attributes	Applicable major NE releases
Name: IK4305119 (4714) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Cell	Severity: major Specific problem: AUTOMATED HANDOVER PARAMETER ADJUSTMENT NOT POSSIBLE (1175) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> LR13.1 LR13.3 LR14.1.L
Description: This alarm indicates the SON process that automatically adjusts intra-frequency handover parameters cannot make any adjustments because of the setting of the configurable limits on the allowed adjustments.		
Impact: The cell cannot initiate HO parameter adjustments to improve HO performance.		
Remedial action: Modify the handover parameter adjustment limits to allow additional values.		

Table 22-1276 IK4305120 - TOTAL LOSS OF EICIC PHASE SYNC

Alarm	Attributes	Applicable major NE releases
Name: IK4305120 (4715) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: TOTAL LOSS OF EICIC PHASE SYNC (1176) Implicitly cleared: true Default probable cause: timingProblem (903)	<ul style="list-style-type: none"> LR13.1 LR13.3 LR14.1.L
Description: This alarm indicates that the eICIC functionality is being disabled due to very large clock drift		
Impact: High interference received at the UE due to the timing misalignment cancels any feature gain.		
Remedial action: Check the timing source of the eNB		

Table 22-1277 IK4305121 - TOTAL LOSS OF EICIC PHASE SYNC

Alarm	Attributes	Applicable major NE releases
Name: IK4305121 (4716) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: major Specific problem: TOTAL LOSS OF EICIC PHASE SYNC (1176) Implicitly cleared: true Default probable cause: timingProblem (903)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that the eICIC functionality is being disabled due to very large clock drift		
Impact: High interference received at UE due to timing misalignment rendering feature gain null.		
Remedial action: Check the timing source of the eNB		

Table 22-1278 IK4305122 - LOGIN AUTHENTICATION FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4305122 (4717) Type: securityServiceOrMechanismViolation (92) Package: lte Raised on class: lte.ENBEquipment	Severity: minor Specific problem: LOGIN AUTHENTICATION FAILURE (1177) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1
Description: This alarms indicates that a login attempt has failed authentication.		
Impact: The eNB might be subject to a password guessing attack.		
Remedial action: Check the cause of the failure.		

Table 22-1279 IK4305124 - SHUTDOWN TIMEOUT WITH EMERGENCY HIGH PRIORITY CALLS ACTIVE

Alarm	Attributes	Applicable major NE releases
Name: IK4305124 (4718) Type: communicationsAlarm (4) Package: lte Raised on class: lte.Cell	Severity: warning Specific problem: SHUTDOWN TIMEOUT WITH EMERGENCY HIGH PRIORITY CALLS ACTIVE (1178) Implicitly cleared: true Default probable cause: callEstablishmentError (778)	<ul style="list-style-type: none"> • LR13.1 • LR13.3
Description: This alarm indicates that the shutdown timer has expired for a shutting down MO but the cell has at least one emergency or high priority call active. The shutting down MO will not be locked until all emergency and high priority calls have terminated.		
Impact: Transmit power is not gradually reduced in the affected cell to encourage handoffs of existing calls. Shutting down MO is not locked until all emergency and high priority calls are terminated.		
Remedial action: Operator should wait for all emergency and high priority calls to terminate or force the shut down to end by locking the shutting down MO.		

Table 22-1280 IK4305125 - EMERGENCY HIGH PRIORITY CALLS ACTIVE FOR BLOCKED CELL

Alarm	Attributes	Applicable major NE releases
Name: IK4305125 (4719) Type: communicationsAlarm (4) Package: lte Raised on class: lte.Cell	Severity: warning Specific problem: EMERGENCY HIGH PRIORITY CALLS ACTIVE FOR BLOCKED CELL (1179) Implicitly cleared: true Default probable cause: callEstablishmentError (778)	<ul style="list-style-type: none"> • LR13.1 • LR13.3
Description: This alarm indicates that there is at least one emergency or high priority call active on a cell that is blocked. The cell will not be disabled until all emergency and high priority calls have terminated.		
Impact: Transmit power is not gradually reduced in the affected cell to encourage handoffs of existing calls. Shutting down MO is not locked until all emergency and high priority calls are terminated.		
Remedial action: Operator should wait for all emergency and high priority calls to terminate or force the shut down to end by locking the shutting down MO.		

Table 22-1281 IK4305126 - CELL MAJOR CONFIGURATION ERROR

Alarm	Attributes	Applicable major NE releases
Name: IK4305126 (4720) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Cell	Severity: major Specific problem: CELL MAJOR CONFIGURATION ERROR (1180) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates there is a major error in the configuration of the cell.		
Impact: Configuration error may prevent the cell from behaving properly. Degradation of service is possible.		
Remedial action: Operator must set the attribute(s) in error to a value consistent with the configuration of the lteCell.		

Table 22-1282 IK4305127 - ENB WARNING CONFIGURATION ERROR

Alarm	Attributes	Applicable major NE releases
Name: IK4305127 (4721) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: minor Specific problem: ENB WARNING CONFIGURATION ERROR (1181) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates there is a warning error in the configuration of the eNB.		
Impact: Configuration error may prevent the value of the attribute in error from being used in the eNB. However, no degradation of service will result.		
Remedial action: Operator should set the attribute(s) in error to a value consistent with the configuration of the eNB.		

Table 22-1283 IK4305128 - RFTRACE NOT STARTED DUE TO ACTIVE DDT

Alarm	Attributes	Applicable major NE releases
Name: IK4305128 (5355) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: minor Specific problem: RFTRACE NOT STARTED DUE TO ACTIVE DDT (1182) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR14.1.L
Description: This alarm indicates that RF trace could not be started because dynamic debug trace is already active.		
Remedial action: Verify and correct the configuration data.		

Table 22-1284 IK4305129 - CB TWAMP EXCESSIVE TEST SESSIONS

Alarm	Attributes	Applicable major NE releases
Name: IK4305129 (4722) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: warning Specific problem: CB TWAMP EXCESSIVE TEST SESSIONS (1183) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates 6 TWAMP test-sessions have been requested in a TWAMP Control-session in a VLAN. 5 is the maximum supported number.		
Impact: TWAMP test sessions above the number supported are ignored.		
Remedial action: Check TWAMP client configuration to ensure it matches maximum requirements of the base station server.		

Table 22-1285 IK4305130 - MODULE SCENARIO ERROR

Alarm	Attributes	Applicable major NE releases
Name: IK4305130 (4723) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.MODULE	Severity: critical Specific problem: MODULE SCENARIO ERROR (1070) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates the scenario failure due to no-response from the module.		
Impact: Telecom: The telecom resources processed by the module are lost as the module is out of service. OAM: No impact on OAM service.		
Remedial action: Reset the module. If the alarm persists, replace the module.		

Table 22-1286 IK4305131 - MISSING CALLP SUBSCRIPTION

Alarm	Attributes	Applicable major NE releases
Name: IK4305131 (4724) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.MODULE	Severity: critical Specific problem: MISSING CALLP SUBSCRIPTION (1071) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that the CallP instance did not send the subscribe message due to initialization error in the CallP instance.		
Impact: Telecom: The telecom resources processed by the module not operational. OAM: No impact on OAM service.		
Remedial action: Reset the eNodeB.		

Table 22-1287 IK4305132 - MISSING CALLP REQUEST

Alarm	Attributes	Applicable major NE releases
Name: IK4305132 (4725) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.MODULE	Severity: critical Specific problem: MISSING CALLP REQUEST (1072) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that there is no request from any CallP instance for the MIM status.		
Impact: Telecom: The telecom resources processed by the module not operational. OAM: No impact on OAM service.		
Remedial action: Reset the eNodeB.		

Table 22-1288 IK4305133 - INCORRECT FREQUENCY BAND

Alarm	Attributes	Applicable major NE releases
Name: IK4305133 (4726) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: critical Specific problem: INCORRECT FREQUENCY BAND (1074) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that the module is not compatible with the frequency band configuration data.		
Impact: The cell is not operational.		
Remedial action: Verify the frequency band of the module with the configured frequency band. If the alarm persists, replace the module.		

Table 22-1289 IK4305134 - INVALID CONFIGURATION DATA

Alarm	Attributes	Applicable major NE releases
Name: IK4305134 (4727) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.MODULE	Severity: critical Specific problem: INVALID CONFIGURATION DATA (1077) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates inconsistency in the eNodeB configuration data.		
Impact: The cell is not operational.		
Remedial action: Verify and correct the configuration data.		

Table 22-1290 IK4305135 - INVALID TRANSPORT CONFIGURATION DATA

Alarm	Attributes	Applicable major NE releases
Name: IK4305135 (4728) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.MODULE	Severity: critical Specific problem: INVALID TRANSPORT CONFIGURATION DATA (1081) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates an inconsistency in the eNodeB transport configuration data.		
Impact: Telecom traffic is not possible.		
Remedial action: Verify and correct the configuration data.		

Table 22-1291 IK4305136 - UNKNOWN FAULT

Alarm	Attributes	Applicable major NE releases
Name: IK4305136 (4729) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.MODULE	Severity: warning Specific problem: UNKNOWN FAULT (1127) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that the OAM layer of the eNodeB received an unknown fault from another software layer.		
Impact: The impact of of the fault is unknown.		
Remedial action: Refer to the alarm additional information for further detail, contact the next level of support.		

Table 22-1292 IK4305137 - RESET DATABASE

Alarm	Attributes	Applicable major NE releases
Name: IK4305137 (4730) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.MODULE	Severity: major Specific problem: RESET DATABASE (1145) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates the failure to restore database.		
Impact: The controller board resets automatically with an empty database.		
Remedial action: Contact the next level of support.		

Table 22-1293 IK4305138 - CELL CONFIGURATION FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4305138 (4731) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: major Specific problem: CELL CONFIGURATION FAILURE (1075) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates the failure to configure the cell.		
Impact: The cell remains disabled until properly configured.		
Remedial action: Verify the cell configuration data. Reset the modem and allocate the cell resources.		

Table 22-1294 IK4305139 - MODEM FUNCTION AVAILABLE WITHOUT LTECELL CONFIGURATION

Alarm	Attributes	Applicable major NE releases
Name: IK4305139 (4732) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: warning Specific problem: MODEM FUNCTION AVAILABLE WITHOUT LTECELL CONFIGURATION (1184) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that there is a modem function equipped but no cell is mapped to the modem.		
Impact: The cell remains disabled until properly configured.		
Remedial action: Verify and correct the configuration data.		

Table 22-1295 IK4305140 - EXPECTED MODEM NOT EQUIPPED

Alarm	Attributes	Applicable major NE releases
Name: IK4305140 (4733) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: critical Specific problem: EXPECTED MODEM NOT EQUIPPED (1120) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that equipped modem type does not fit the expectedModemType in the database.		
Impact: All features of modem type are not supported and modem is disabled by eNodeB OAM.		
Remedial action: Modify the database to correctly describe the modem hardware.		

Table 22-1296 IK4305142 - OAM INTERFACE CONFIGURATION FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4305142 (4734) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: critical Specific problem: OAM INTERFACE CONFIGURATION FAILURE (654) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates the failure of the IP and Ethernet configuration on the OAM interface.		
Impact: Telecom traffic and eNodeB management are not possible.		
Remedial action: Reset the eNodeB. If the alarm persists, contact the next level of support.		

Table 22-1297 IK4305143 - TELECOM INTERFACE CONFIGURATION FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4305143 (4735) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: critical Specific problem: TELECOM INTERFACE CONFIGURATION FAILURE (655) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates the failure of the IP and Ethernet configuration on the telecom interface.		
Impact: Telecom traffic and eNodeB management are not possible.		
Remedial action: Reset the eNodeB. If the alarm persists, contact the next level of support.		

Table 22-1298 IK4305144 - SSH SERVER START FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4305144 (4736) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: critical Specific problem: SSH SERVER START FAILURE (656) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates the failure to start the SSH server.		
Impact: OAM SSH sessions on the eNodeB are not possible.		
Remedial action: Reset the eNodeB.		

Table 22-1299 IK4305145 - SNTP CLIENT START FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4305145 (4737) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: minor Specific problem: SNTP CLIENT START FAILURE (658) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates the failure to start the SNTP client.		
Impact: The eNodeB is not time synchronized with the NTP server.		
Remedial action: Check the network connectivity of NTP server and NTP server address provisioning. If the NTP server is unreachable or the provisioning is incorrect, address those aspects. If all other possible causes have been eliminated, reset the eNodeB.		

Table 22-1300 IK4305146 - DHCP CLIENT START FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4305146 (4738) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: critical Specific problem: DHCP CLIENT START FAILURE (661) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates the failure to start the DHCP client on the eNodeB network interface.		
Impact: Telecom traffic and eNodeB management are not possible.		
Remedial action: Reset the eNodeB.		

Table 22-1301 IK4305147 - UNEXPECTED DATA FROM DHCP SERVER

Alarm	Attributes	Applicable major NE releases
Name: IK4305147 (4739) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.MODULE	Severity: minor Specific problem: UNEXPECTED DATA FROM DHCP SERVER (663) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that the lease time offered by the DHCP server is different from the lease time requested by the DHCP client.		
Impact: No impact on telecom or OAM service.		
Remedial action: Configure the DHCP server with an infinite lease time.		

Table 22-1302 IK4305148 - INCONSISTENT DATA FROM DHCP SERVER

Alarm	Attributes	Applicable major NE releases
Name: IK4305148 (4740) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.MODULE	Severity: critical Specific problem: INCONSISTENT DATA FROM DHCP SERVER (664) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3
Description: This alarm indicates that the eNodeB does not support the modified IP address offered by the DHCP server.		
Impact: The eNodeB uses the old IP address. eNodeB management is impacted during reset.		
Remedial action: Reset the eNodeB.		

Table 22-1303 IK4305149 - SCTP INIT FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4305149 (4741) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: critical Specific problem: SCTP INIT FAILURE (756) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates the failure to initialize the SCTP access.		
Impact: Telecom traffic is not possible.		
Remedial action: Reset the eNodeB.		

Table 22-1304 IK4305150 - WALG INITIALIZATION FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4305150 (4742) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.MODULE	Severity: critical Specific problem: WALG INITIALIZATION FAILURE (660) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3
Description: This alarm indicates a failure to initialize the eNodeB network processor.		
Impact: Telecom traffic is not possible.		
Remedial action: Reset the eNodeB.		

Table 22-1305 IK4305151 - END OF THE HOLDOVER DURATION

Alarm	Attributes	Applicable major NE releases
Name: IK4305151 (4743) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.MODULE	Severity: critical Specific problem: END OF THE HOLDOVER DURATION (763) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: The internal oscillator is not being disciplined by the reference source and its frequency drift may soon exceed allowed limits. This holdover duration is dependent on the type of oscillator.		
Impact: The eNB shall stop RF transmission.		
Remedial action: Fix the timing reference source.		

Table 22-1306 IK4305152 - LOSS OF EMBMS PHASE SYNC

Alarm	Attributes	Applicable major NE releases
Name: IK4305152 (4744) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.MODULE	Severity: major Specific problem: LOSS OF EMBMS PHASE SYNC (755) Implicitly cleared: true Default probable cause: lossOfSignal (99)	<ul style="list-style-type: none"> • LR13.1 • LR13.3
Description: This alarm indicates that the phase-sync requirement for supporting eMBMS can no longer be guaranteed due to the loss of clock reference.		
Impact: eMBMS specified commitment for error rate and cell coverage can no longer be guaranteed due to phase drift.		
Remedial action: If alarm remains consider the Clock reference alarms to determine the cause of the onset of holdover.		

Table 22-1307 IK4305153 - #3 IPSEC TUNNEL FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4305153 (5356) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: major Specific problem: #3 IPSEC TUNNEL FAILURE (1154) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates a failure of IPsec tunnel (#3).		
Remedial action: Check the IP Security configuration.		

Table 22-1308 IK4305154 - CELL CONFIGURATION DATA MISMATCH VERSUS CORRESPONDING FEATURE DEACTIVATION

Alarm	Attributes	Applicable major NE releases
Name: IK4305154 (5357) Type: equipmentAlarm (3) Package: lte Raised on class: lte.Cell	Severity: critical Specific problem: CELL CONFIGURATION DATA MISMATCH VERSUS CORRESPONDING FEATURE DEACTIVATION (1185) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates the cell configuration data mismatch versus coreponding feature deactivation.		
Remedial action: Verify and correct the configuration data.		

Table 22-1309 IK4305155 - OAM SCB FAULT 2

Alarm	Attributes	Applicable major NE releases
Name: IK4305155 (4745) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: minor Specific problem: OAM SCB FAULT 2 (1186) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR13.1 LR13.3 LR14.1.L
Description: Provisioned for late churn-in. This is a spare alarm for future use.		
Impact: Refer to additional information in the alarm report.		
Remedial action: Refer to additional information in the alarm report.		

Table 22-1310 IK4305156 - OAM SCB FAULT 3

Alarm	Attributes	Applicable major NE releases
Name: IK4305156 (4746) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: minor Specific problem: OAM SCB FAULT 3 (1187) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: Provisioned for late churn-in. This is a spare alarm for future use.		
Impact: Refer to additional information in the alarm report.		
Remedial action: Refer to additional information in the alarm report.		

Table 22-1311 IK4305157 - OAM SCB FAULT 4

Alarm	Attributes	Applicable major NE releases
Name: IK4305157 (4747) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: minor Specific problem: OAM SCB FAULT 4 (1188) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: Provisioned for late churn-in. This is a spare alarm for future use.		
Impact: Refer to additional information in the alarm report.		
Remedial action: Refer to additional information in the alarm report.		

Table 22-1312 IK4305158 - OAM MODEM FUNCTION FAULT 1

Alarm	Attributes	Applicable major NE releases
Name: IK4305158 (4748) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: minor Specific problem: OAM MODEM FUNCTION FAULT 1 (1189) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: Provisioned for late churn-in. This is a spare alarm for future use.		
Impact: Refer to additional information in the alarm report.		
Remedial action: Refer to additional information in the alarm report.		

Table 22-1313 IK4305159 - OAM MODEM FUNCTION FAULT 2

Alarm	Attributes	Applicable major NE releases
Name: IK4305159 (4749) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: minor Specific problem: OAM MODEM FUNCTION FAULT 2 (1190) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3
Description: This is a spare alarm for future use.		
Impact: Refer to additional information in the alarm report.		
Remedial action: Refer to additional information in the alarm report.		

Table 22-1314 IK4305160 - OAM MODEM FUNCTION FAULT 3

Alarm	Attributes	Applicable major NE releases
Name: IK4305160 (4750) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: minor Specific problem: OAM MODEM FUNCTION FAULT 3 (1191) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: Provisioned for late churn-in. This is a spare alarm for future use.		
Impact: Refer to additional information in the alarm report.		
Remedial action: Refer to additional information in the alarm report.		

Table 22-1315 IK4305161 - FEATURE 3 MHZ NOT SUPPORTED BY MODEM TYPE

Alarm	Attributes	Applicable major NE releases
Name: IK4305161 (4751) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: critical Specific problem: FEATURE 3 MHZ NOT SUPPORTED BY MODEM TYPE (1161) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that modem type does not support 3 MHz bandwidth.		
Impact: The modem is disabled by eNodeB OAM.		
Remedial action: Ensure compatibility between the eNodeB configuration data and the equipped modem type.		

Table 22-1316 IK4305162 - ETHERNET TRANSPORT FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4305162 (4752) Type: communicationsAlarm (4) Package: Ite Raised on class: Ite.MODULE	Severity: major Specific problem: ETHERNET TRANSPORT FAILURE (665) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates an interface error due to the counters exceeding the configured threshold.		
Impact: The performance of the telecom and OAM services are degraded.		
Remedial action: Check the network status and cabling if possible. If the alarm persists, contact the next level support.		

Table 22-1317 IK4305163 - DHCP CLIENT LEASE FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4305163 (4753) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.MODULE	Severity: major Specific problem: DHCP CLIENT LEASE FAILURE (669) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates the failure of the DHCP client to obtain the lease from the DHCP server.		
Impact: Telecom traffic is not possible and the eNodeB backhaul interface is not configured.		
Remedial action: Check for connectivity. Check for DHCP server and network configurations.		

Table 22-1318 IK4305164 - IP LOOPBACK ACTIVE

Alarm	Attributes	Applicable major NE releases
Name: IK4305164 (4754) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.MODULE	Severity: warning Specific problem: IP LOOPBACK ACTIVE (670) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that the IP loopback is activated.		
Impact: Telecom: Telecom traffic is not possible. OAM: The maintenance is restricted to local terminal.		
Remedial action: Call the next level of support.		

Table 22-1319 IK4305165 - MODULE SCENARIO ERROR

Alarm	Attributes	Applicable major NE releases
Name: IK4305165 (4755) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.RFME	Severity: critical Specific problem: MODULE SCENARIO ERROR (1070) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates an internal procedure failure due to no response from the module.		
Impact: Telecom: The telecom resources processed by the module are lost as the module is out of service. OAM: Impact on OAM service during reset.		
Remedial action: Reset the eNB. If the alarm persists, replace the module.		

Table 22-1320 IK4305166 - OAM RFME FAULT 4

Alarm	Attributes	Applicable major NE releases
Name: IK4305166 (4756) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFME	Severity: minor Specific problem: OAM RFME FAULT 4 (1192) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: Provisioned for late churn-in. This is a spare alarm for future use.		
Impact: Refer to additional information in the alarm report.		
Remedial action: Refer to additional information in the alarm report.		

Table 22-1321 IK4305167 - OAM RFME FAULT 5

Alarm	Attributes	Applicable major NE releases
Name: IK4305167 (4757) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFME	Severity: minor Specific problem: OAM RFME FAULT 5 (1193) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: Provisioned for late churn-in. This is a spare alarm for future use.		
Impact: Refer to additional information in the alarm report.		
Remedial action: Refer to additional information in the alarm report.		

Table 22-1322 IK4305168 - OAM RFME FAULT 6

Alarm	Attributes	Applicable major NE releases
Name: IK4305168 (4758) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFME	Severity: minor Specific problem: OAM RFME FAULT 6 (1194) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: Provisioned for late churn-in. This is a spare alarm for future use.		
Impact: Refer to additional information in the alarm report.		
Remedial action: Refer to additional information in the alarm report.		

Table 22-1323 IK4305169 - VSWR CONFIGURATION FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4305169 (4759) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFME	Severity: minor Specific problem: VSWR CONFIGURATION FAILURE (1085) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that the thresholds of the VSWR configuration could not be applied to the eNodeB.		
Impact: No impact on telecom or OAM service but VSWR supervision may not be active.		
Remedial action: Verify the correctness of the configuration data and apply the data again. If this fails to correct the fault then reset the eNodeB.		

Table 22-1324 IK4305170 - RFME AVAILABLE WITHOUT LTECELL CONFIGURATION

Alarm	Attributes	Applicable major NE releases
Name: IK4305170 (4760) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFME	Severity: warning Specific problem: RFME AVAILABLE WITHOUT LTECELL CONFIGURATION (1195) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that there is RFME equipped but no cell is mapped.		
Impact: The cell is disabled.		
Remedial action: Verify and correct the configuration data.		

Table 22-1325 IK4305171 - LOCAL CELL POWER LIMIT EXCEEDED

Alarm	Attributes	Applicable major NE releases
Name: IK4305171 (4761) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFME	Severity: minor Specific problem: LOCAL CELL POWER LIMIT EXCEEDED (1144) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: The downlink total power for a cell assigned to this RE exceeds the Local Cell Power Limit set at installation time.		
Impact: All cells assigned to the impacted RE, can not be configured or activated.		
Remedial action: Reconfigure the cell of this RE: set the power to be less than or equal to the local cell power limit defined for this MSRE at installation time.		

Table 22-1326 IK4305172 - MEDO FAULT 1

Alarm	Attributes	Applicable major NE releases
Name: IK4305172 (4762) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: minor Specific problem: MEDO FAULT 1 (1196) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: Provisioned for late churn-in. This is a spare alarm for MEDO for future use.		
Impact: Refer to additional information in the alarm report.		
Remedial action: Refer to additional information in the alarm report.		

Table 22-1327 IK4305173 - MEDO FAULT 2

Alarm	Attributes	Applicable major NE releases
Name: IK4305173 (4763) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: minor Specific problem: MEDO FAULT 2 (1197) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: Provisioned for late churn-in. This is a spare alarm for MEDO for future use.		
Impact: Refer to additional information in the alarm report.		
Remedial action: Refer to additional information in the alarm report.		

Table 22-1328 IK4305174 - MEDO FAULT 3

Alarm	Attributes	Applicable major NE releases
Name: IK4305174 (4764) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: minor Specific problem: MEDO FAULT 3 (1198) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: Provisioned for late churn-in. This is a spare alarm for MEDO for future use.		
Impact: Refer to additional information in the alarm report.		
Remedial action: Refer to additional information in the alarm report.		

Table 22-1329 IK4305177 - RESET DATABASE

Alarm	Attributes	Applicable major NE releases
Name: IK4305177 (4765) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.CBCardSpecifics	Severity: critical Specific problem: RESET DATABASE (1145) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates the failure to restore database.		
Impact: The controller board resets automatically with an empty database.		
Remedial action: Contact the next level of support.		

Table 22-1330 IK4305178 - CONFIGURATION DATA MISMATCH VERSUS HARDWARE

Alarm	Attributes	Applicable major NE releases
Name: IK4305178 (4766) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.RFME	Severity: warning Specific problem: CONFIGURATION DATA MISMATCH VERSUS HARDWARE (1146) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates inconsistency in the eNodeB configuration data versus the equipped hardware.		
Impact: The affected hardware and the assigned cell is not operational.		
Remedial action: Verify and correct the configuration data. Verify and correct the hardware configuration		

Table 22-1331 IK4305179 - CERTIFICATE EXPIRED

Alarm	Attributes	Applicable major NE releases
Name: IK4305179 (4767) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: critical Specific problem: CERTIFICATE EXPIRED (1152) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: The eNodeB discovered an expired certificate during validity date audit. Re-install or reconfigure the eNodeB so that key pair creation and certificate enrollment with the CMS are performed again.		
Impact: The ltpsec tunnels are using expired certificates.		
Remedial action: Trigger the certificate enrollment to generate new certificates.		

Table 22-1332 IK4305180 - FEATURE CARRIER AGGREGATION NOT SUPPORTED

Alarm	Attributes	Applicable major NE releases
Name: IK4305180 (4768) Type: equipmentAlarm (3) Package: lte Raised on class: lte.Cell	Severity: critical Specific problem: FEATURE CARRIER AGGREGATION NOT SUPPORTED (1199) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that the cell configuration with Carrier Aggregation is not supported by the equipped modem type.		
Impact: Telecom traffic is not enabled for the cell.		
Remedial action: Verify and correct the configuration data.		

Table 22-1333 IK4305181 - FEATURE SIX CELLS NOT SUPPORTED

Alarm	Attributes	Applicable major NE releases
Name: IK4305181 (4769) Type: equipmentAlarm (3) Package: lte Raised on class: lte.Cell	Severity: critical Specific problem: FEATURE SIX CELLS NOT SUPPORTED (1200) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that the cell configuration with six cells with single carrier is not supported by the equipped modem type.		
Impact: Telecom traffic is not enabled for the cell.		
Remedial action: Verify and correct the configuration data.		

Table 22-1334 IK4305182 - FEATURE TR-CARRIER NOT SUPPORTED

Alarm	Attributes	Applicable major NE releases
Name: IK4305182 (4770) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.Cell	Severity: critical Specific problem: FEATURE TR-CARRIER NOT SUPPORTED (1201) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that the cell configuration with Tri-carrier is not supported by the equipped modem type.		
Impact: Telecom traffic is not enabled for the cell.		
Remedial action: Verify and correct the configuration data.		

Table 22-1335 IK4305183 - SCB TWAMP EXCESSIVE TEST SESSIONS

Alarm	Attributes	Applicable major NE releases
Name: IK4305183 (4771) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.MODULE	Severity: warning Specific problem: SCB TWAMP EXCESSIVE TEST SESSIONS (1202) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates 6 TWAMP test-sessions have been requested in a TWAMP Control-session in a VLAN. 5 is the maximum supported number.		
Impact: TWAMP test sessions above the number supported are ignored.		
Remedial action: Check the TWAMP client configuration to ensure it matches maximum requirements of the base station server.		

Table 22-1336 IK4305184 - RFTRACE STOPPED DUE TO ACTIVE DDT

Alarm	Attributes	Applicable major NE releases
Name: IK4305184 (5358) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.ENBEquipment	Severity: minor Specific problem: RFTRACE STOPPED DUE TO ACTIVE DDT (1203) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR14.1.L
Description: This alarm indicates that RF trace has stopped because dynamic debug trace has been activated.		
Remedial action: Verify and correct the configuration data.		

Table 22-1337 IK4305185 - CMS INIT START

Alarm	Attributes	Applicable major NE releases
Name: IK4305185 (5359) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: CMS INIT START (1204) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> LR14.1.L
Description: This event indicates that operator certificate enrollment scenario started.		
Remedial action: No action is required.		

Table 22-1338 IK4305186 - CPRI LICENSE REQUIRED TO SUPPORT BANDWIDTH FOR CONFIGURED LTECELL

Alarm	Attributes	Applicable major NE releases
Name: IK4305186 (5360) Type: equipmentAlarm (3) Package: lte Raised on class: lte.Cell	Severity: critical Specific problem: CPRI LICENSE REQUIRED TO SUPPORT BANDWIDTH FOR CONFIGURED LTECELL (1205) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates that the required CPRI line rate to support the bandwidth of the configured cell can not be achieved due to licensing restriction.		
Remedial action: The operator shall purchase the license for CPRI rate 5		

Table 22-1339 IK4306000 - UNEXPECTED RF MODULE RESET

Alarm	Attributes	Applicable major NE releases
Name: IK4306000 (5361) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: variable Specific problem: UNEXPECTED RF MODULE RESET (1206) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> LR14.1.L
Description: This event indicates that the ENB suffered from an unexpected, unplanned failure on the RFM. Specific details are in the Additional Text.		
Remedial action: No action is required.		

Table 22-1340 IK4306001 - SESSION STOP FAILURE AT MCE

Alarm	Attributes	Applicable major NE releases
Name: IK4306001 (4772) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Mce	Severity: variable Specific problem: SESSION STOP FAILURE AT MCE (1207) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This event indicates that the Session Stop procedure has failed at MCE level.		
Impact: Risk of MBSFN mode breakdown for the MBSFN Area having the session wrongly stopped.		
Remedial action: No action is required.		

Table 22-1341 IK4306002 - SESSION STOP FAILURE AT ENB

Alarm	Attributes	Applicable major NE releases
Name: IK4306002 (4773) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: SESSION STOP FAILURE AT ENB (1208) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This event indicates the Session Stop procedure has failed at eNB level.		
Impact: Risk of MBSFN mode breakdown for the MBSFN Area having the session wrongly stopped.		
Remedial action: No action is required.		

Table 22-1342 IK4306003 - MBSFN - POSITIONNING REFERENCE SIGNAL COLLISION

Alarm	Attributes	Applicable major NE releases
Name: IK4306003 (4774) Type: operationalViolation (93) Package: lte Raised on class: lte.Cell	Severity: variable Specific problem: MBSFN - POSITIONNING REFERENCE SIGNAL COLLISION (1209) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This event indicates that the set of sub-frames allocated by the MCE for eMBMS services overwrites some sub-frames dedicated to Positioning reference signals.		
Impact: New eMBMS services may not be transmitted or geolocalization of users may fail.		
Remedial action: No action is required.		

Table 22-1343 IK4306004 - MBSFN - ABS SUB-FRAME COLLISON

Alarm	Attributes	Applicable major NE releases
Name: IK4306004 (4775) Type: operationalViolation (93) Package: lte Raised on class: lte.Cell	Severity: variable Specific problem: MBSFN - ABS SUB-FRAME COLLISON (1210) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This event indicates that the set of sub-frames allocated by the MCE for eMBMS services includes some Almost Blank Subframes reserved for the eICIC feature.		
Impact: New eMBMS services may not be transmitted or the current cell may interfere with some neighbour cells.		
Remedial action: No action is required.		

Table 22-1344 IK4306005 - LACK OF UNICAST RESOURCES DUE TO EMBMS RESOURCE ALLOCATION

Alarm	Attributes	Applicable major NE releases
Name: IK4306005 (4776) Type: qualityOfServiceAlarm (82) Package: lte Raised on class: lte.Cell	Severity: major Specific problem: LACK OF UNICAST RESOURCES DUE TO EMBMS RESOURCE ALLOCATION (1211) Implicitly cleared: true Default probable cause: congestion (694)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates the amount of sub-frames needed by the unicast bearers is exceeding the configured threshold.		
Impact: Unicast traffic in excess may be discarded.		
Remedial action: Multiple actions are possible: (1) use a greater value of unicastPercentUsageThreshold (2) use a larger value of unicastCongestionTime (3) reserve more resources for eMBMS in eNB admission control (percentMcastReservedPRB) (4) limit the eMBMS resources over the different MBSFN areas in the MCE configuration (5) set up external equipments so that they can notify the MCE of session start with more anticipation and unicast bearers have more time to disconnect		

Table 22-1345 IK4306006 - NETCONF QUEUE LIMIT EXCEEDED

Alarm	Attributes	Applicable major NE releases
Name: IK4306006 (4777) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: major Specific problem: NETCONF QUEUE LIMIT EXCEEDED (1212) Implicitly cleared: true Default probable cause: queueSizeExceeded (712)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates that one or more DB update request messages received from eNB CalIP has been discarded by eNB OAM due to Netconf queue exceeding its limit. The alarm is cleared when no messages have been discarded for 5 minutes.		
Impact: DB updates triggered by CalIP (such as Neighbor relation and X2Access additions/deletion/modifications) cannot be made.		
Remedial action: Remove any PCI related mismatches using WPS checks (specifically check Nei_Lte_0003)		

Table 22-1346 IK4306007 - ALL ALARMS CLEARED

Alarm	Attributes	Applicable major NE releases
Name: IK4306007 (4778) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: minor Specific problem: ALL ALARMS CLEARED (1213) Implicitly cleared: true Default probable cause: softwareProgramAbnormallyTerminated (719)	<ul style="list-style-type: none"> LR13.1
Description: This is a pseudo alarm to indicate that all pending alarms have been cleared, e.g. by a reset of the eNB controller.		
Impact: There is no impact by this alarm.		
Remedial action: No Maintenance Action requires.		

Table 22-1347 IK4306008 - #11 IPSEC TUNNEL FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4306008 (4779) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: major Specific problem: #11 IPSEC TUNNEL FAILURE (1214) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR13.1 LR13.3 LR14.1.L
Description: This alarm indicates the failure of the IPsec tunnel (#11).		
Impact: Telecom: Telecom traffic is not possible. OAM: No impact on OAM service.		
Remedial action: Check the IP Security configuration.		

Table 22-1348 IK4306009 - #12 IPSEC TUNNEL FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4306009 (4780) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: major Specific problem: #12 IPSEC TUNNEL FAILURE (1215) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR13.1 LR13.3 LR14.1.L
Description: This alarm indicates the failure of the IPsec tunnel (#12).		
Impact: Telecom: Telecom traffic is not possible. OAM: No impact on OAM service.		
Remedial action: Check the IP Security configuration.		

Table 22-1349 IK4306010 - #13 IPSEC TUNNEL FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4306010 (4781) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: major Specific problem: #13 IPSEC TUNNEL FAILURE (1216) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates the failure of the IPsec tunnel (#13).		
Impact: Telecom: Telecom traffic is not possible. OAM: No impact on OAM service.		
Remedial action: Check the IP Security configuration.		

Table 22-1350 IK4306011 - #14 IPSEC TUNNEL FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4306011 (4782) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: major Specific problem: #14 IPSEC TUNNEL FAILURE (1217) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This alarm indicates the failure of the IPsec tunnel (#14).		
Impact: Telecom: Telecom traffic is not possible. OAM: No impact on OAM service.		
Remedial action: Check the IP Security configuration.		

Table 22-1351 IK4306012 - BB MODEM BOARD INCOMPATIBLE WITH CONTROLLER BOARD

Alarm	Attributes	Applicable major NE releases
Name: IK4306012 (4783) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: critical Specific problem: BB MODEM BOARD INCOMPATIBLE WITH CONTROLLER BOARD (1218) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1
Description: This alarm indicates that the modem board is not compatible with the controller board.		
Impact: The cell(s) supported by this modem are disabled.		
Remedial action: Change the modem board to a modem board supported by the controller type.		

Table 22-1352 IK4306013 - EXPECTED CONTROLLER NOT EQUIPPED - CB

Alarm	Attributes	Applicable major NE releases
Name: IK4306013 (4784) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.CBCardSpecifics	Severity: major Specific problem: EXPECTED CONTROLLER NOT EQUIPPED - CB (1219) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> LR13.1
Description: This alarm indicates that the equipped controller type does not fit the expectedControllerType in the database.		
Impact: The eNodeB capacity is downgraded.		
Remedial action: Ensure compatibility between the eNodeB configuration data and the equipped controller type.		

Table 22-1353 IK4306014 - INSUFFICIENT CPRI IQ RESOURCE FOR CONFIGURED LTECELL

Alarm	Attributes	Applicable major NE releases
Name: IK4306014 (4999) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.Cell	Severity: critical Specific problem: INSUFFICIENT CPRI IQ RESOURCE FOR CONFIGURED LTECELL (1220) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> LR13.3 LR14.1.L
Description: This alarm indicates that there are no cpri IQ resource available to support the configured cell.		
Impact: Telecom: The cell is not operational. OAM: No impact on OAM service.		
Remedial action: 1. Lock the cell. 2. Check any HW(SFP, RRRH type, CB type) impact on CPRI IQ resource. If HW is correct, verify and correct the configuration data. 3. Unlock the cell.		

Table 22-1354 IK4306015 - INVALID TIME ZONE NAME

Alarm	Attributes	Applicable major NE releases
Name: IK4306015 (5362) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.ENBEquipment	Severity: minor Specific problem: INVALID TIME ZONE NAME (1221) Implicitly cleared: true Default probable cause: softwareError (718)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates that the eNodeB could not be configured with the requested time zone.		
Remedial action: Operator may select another equivalent time zone value, e.g. try Etc/GMT+x or Etc/GMT-x instead of the requested Area/Location, or contact their next level of technical support.		

Table 22-1355 IK4306016 - CELL DISABLED DUE TO LRA

Alarm	Attributes	Applicable major NE releases
Name: IK4306016 (5363) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Cell	Severity: critical Specific problem: CELL DISABLED DUE TO LRA (1222) Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates that the cell was disabled by a LRA from another alarm.		
Remedial action: Lock and unlock the cell. If the alarm persists. Call the next level of support.		

Table 22-1356 IK4306017 - PARAMETER WRITE FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4306017 (5364) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: warning Specific problem: PARAMETER WRITE FAILURE (1223) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> LR14.1.L
Description: An antenna port parameter (such as antennaGainConfigure or horizontalBeamwidthConfigure) was set, however the corresponding parameter (antennaGain, horizontalBeamwidth) could not be changed, possibly because the value is read from the hardware (such as for AA units). The SAM and eNodeB databases have different values for these parameters while the alarm is raised.		
Remedial action: Determine the equipped RFM type. If AA, then antenna characteristics are read from the hardware and cannot be modified. Change the setting (antennaGainConfigure, horizontalBeamwidthConfigure, or other) back to Unset.		

Table 22-1357 IK4306022 - IPSEC KEY GENERATION FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4306022 (5000) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: critical Specific problem: IPSEC KEY GENERATION FAILURE (1224) Implicitly cleared: true Default probable cause: corruptData (910)	<ul style="list-style-type: none"> LR13.3 LR14.1.L
Description: This alarm indicates that the eNB platform failed to generate an RSA key pair for IPsec.		
Impact: If the RSA key generation fails, the eNB cannot request a new IPsec certificate, and the eNB cannot setup the IPsec tunnel with the SeGW. The communication between the eNB and SAM and Packet Core (MME, SGW) will be lost.		
Remedial action: Reboot the eNB manually at a later time. If this problem continues, the operator should contact ALU support.		

Table 22-1358 IK4306023 - IPSEC IKE CONFIGURATION FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4306023 (5001) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: critical Specific problem: IPSEC IKE CONFIGURATION FAILURE (1225) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.3 • LR14.1.L
Description: The alarm indicates IPsec IKE configuration failure.		
Impact: If the IPsec and/or IKE configuration failed, then the eNB cannot setup the IPsec tunnel with the SeGW. Depending on the tunnel configuration (OAM or Telecom), the communication between the eNB and SAM and Packet Core (MME, SGW) will not be possible.		
Remedial action: Check the correctness of the eNB configuration data and apply the data again. eNB should reset. If after eNB start-up the problem/alarm persists and the problem is not related to eNB misconfiguration then call next level of support.		

Table 22-1359 IK4306024 - MEDO LOSS OF COMMUNICATION

Alarm	Attributes	Applicable major NE releases
Name: IK4306024 (5002) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: minor Specific problem: MEDO LOSS OF COMMUNICATION (1226) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.3 • LR14.1.L
Description: This alarm indicates that a failure in internal communication with the Metro Dock.		
Impact: OAM inventory reporting for Metro Dock becoming incorrect.		
Remedial action: Check for connectivity with the board.		

Table 22-1360 IK4306025 - HW SW CAPABILITY INCOMPATIBLE MODEM TYPE

Alarm	Attributes	Applicable major NE releases
Name: IK4306025 (5003) Type: equipmentAlarm (3) Package: lte Raised on class: lte.Cell	Severity: critical Specific problem: HW SW CAPABILITY INCOMPATIBLE MODEM TYPE (1227) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.3 • LR14.1.L
Description: This alarm indicates that the installed modem type is not compatible with installed controller board or with expectedModemType.		
Impact: TELECOM traffic is not allowed with this configuration.		

(1 of 2)

22 – Alcatel-Lucent 9xxx eNodeB alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: The operator has to 1 - lock the cell. 2 - change the MIM configuration accordingly the installed eNB HW. 3 - unlock the cell.		

(2 of 2)

Table 22-1361 IK4306026 - HW SW CAPABILITY EXPECTED CONTROLLER NOT EQUIPPED

Alarm	Attributes	Applicable major NE releases
Name: IK4306026 (5004) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.Cell	Severity: critical Specific problem: HW SW CAPABILITY EXPECTED CONTROLLER NOT EQUIPPED (1228) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.3 • LR14.1.L
Description: This alarm indicates that the installed controller type is not compatible with the expectedControllerType in MIM.		
Impact: TELECOM traffic is not allowed with this configuration.		
Remedial action: The operator has to 1 - lock the cell. 2 - change the MIM configuration accordingly the installed eNB controller HW. 3 - unlock the cell.		

Table 22-1362 IK4306027 - UNEXPECTED BASEBAND BOARD RESET BB

Alarm	Attributes	Applicable major NE releases
Name: IK4306027 (5005) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.BBCardSpecifics	Severity: variable Specific problem: UNEXPECTED BASEBAND BOARD RESET BB (1229) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.3 • LR14.1.L
Description: This event indicates that the baseband board suffered from an unexpected, unplanned reset.		
Impact: Telecom: All associated calls and cells are not operational during reset. On successful reset, all resources are functional. OAM: No impact on OAM.		
Remedial action: No action is required.		

Table 22-1363 IK4306028 - INTER-FREQ LOAD BALANCING BEGIN

Alarm	Attributes	Applicable major NE releases
Name: IK4306028 (5006) Type: qualityOfServiceAlarm (82) Package: Ite Raised on class: Ite.Cell	Severity: variable Specific problem: INTER-FREQ LOAD BALANCING BEGIN (1230) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.3 • LR14.1.L

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Description: This event indicate that inter-freq load balancing procedure begins.		
Impact: No impact		
Remedial action: No action is required.		

(2 of 2)

Table 22-1364 IK4306029 - INTER-FREQ LOAD BALANCING END

Alarm	Attributes	Applicable major NE releases
Name: IK4306029 (5007) Type: qualityOfServiceAlarm (82) Package: Ite Raised on class: Ite.Cell	Severity: variable Specific problem: INTER-FREQ LOAD BALANCING END (1231) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.3 • LR14.1.L
Description: This event indicate that inter-freq load balancing procedure ends.		
Impact: No impact		
Remedial action: No action is required.		

Table 22-1365 IK4306030 - MCE CAC FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4306030 (5008) Type: qualityOfServiceAlarm (82) Package: Ite Raised on class: Ite.Mce	Severity: variable Specific problem: MCE CAC FAILURE (1232) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.3 • LR14.1.L
Description: Description1: MCE admission reaches the max nbr of sessions in MBSFN Area Mbsfnareald. Failed sessions listofFailedTmgi Description2: MCE admission reaches the max nbr of available sub-frames in MBSFN Area Mbsfnareald. Nbr of needed Sf NbrNeededSf, nbr of available Sf NbrAvailableSf, failed sessions listofFailedTmgi		
Impact: One or several eMBMS sessions are rejected.		
Remedial action: No action is required.		

Table 22-1366 IK4306031 - M2 ERROR INDICATION FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4306031 (5009) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Mce	Severity: variable Specific problem: M2 ERROR INDICATION FAILURE (1233) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.3 • LR14.1.L
Description: This event indicates that the fault is still present on eNB side in despite of a M2 ERROR INDICATION procedure previously exchanged between the eNB and the MCE to solve the issue.		
Impact: One or several eMBMS sessions can not be broadcasted.		
Remedial action: No action is required.		

Table 22-1367 IK4306032 - PCI RAISED RECORD REMOVED

Alarm	Attributes	Applicable major NE releases
Name: IK4306032 (5010) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: PCI RAISED RECORD REMOVED (1234) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.3 • LR14.1.L
Description: This event indicates SAM/operator that the raised PCI changing request is deleted by eNB itself due to the PCI status changing to unresolved or resolved by other ways.		
Impact: No impact		
Remedial action: No action is required.		

Table 22-1368 IK4306033 - SON REQUEST TABLE NOT EMPTY

Alarm	Attributes	Applicable major NE releases
Name: IK4306033 (5011) Type: qualityOfServiceAlarm (82) Package: lte Raised on class: lte.ENBEquipment	Severity: minor Specific problem: SON REQUEST TABLE NOT EMPTY (1235) Implicitly cleared: true Default probable cause: performanceDegraded (710)	<ul style="list-style-type: none"> • LR13.3 • LR14.1.L
Description: This alarm indicates SAM/operator that there are valid SON 'changing request records' remaining and waiting for operator feedback in the SON control mode.		
Impact: If no feedback from operator on these 'changing request record', the related process in SON control mode is pending.		
Remedial action: Operator give feedback on the existing 'changing request record'.		

Table 22-1369 IK4306034 - SON REQUEST TABLE FULL

Alarm	Attributes	Applicable major NE releases
Name: IK4306034 (5012) Type: qualityOfServiceAlarm (82) Package: lte Raised on class: lte.ENBEquipment	Severity: minor Specific problem: SON REQUEST TABLE FULL (1236) Implicitly cleared: true Default probable cause: performanceDegraded (710)	<ul style="list-style-type: none"> • LR13.3 • LR14.1.L
Description: This alarm indicates SAM/operator that there is no valid SON related 'changing request records' can be raised by eNB in the SON control mode.		
Impact: If no feedback from operator on these 'changing request record', the control mode of certain SON area is totally pending.		
Remedial action: Operator give feedback on the existing request record.		

Table 22-1370 IK4306035 - INCONSISTENT IP VERSION MULTICAST ADDRESS

Alarm	Attributes	Applicable major NE releases
Name: IK4306035 (5365) Type: communicationsAlarm (4) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: INCONSISTENT IP VERSION MULTICAST ADDRESS (1237) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR14.1.L
Description: This event indicates that inconsistency between the VLAN configuration in the eNB and the IP version of the multicast address or the IP version of the multicast source address received in the M3 Session Start and M2 Session Start messages.		
Remedial action: No action is required.		

Table 22-1371 IK4306036 - OAM MODEM FUNCTION FAULT 2

Alarm	Attributes	Applicable major NE releases
Name: IK4306036 (5366) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: minor Specific problem: OAM MODEM FUNCTION FAULT 2 (1190) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR14.1.L
Description: This is a spare alarm for future use.		
Remedial action: Refer to additional information in the alarm report.		

Table 22-1372 IK4306037 - SIM HEALTH CHECK -TX PWR FAILED

Alarm	Attributes	Applicable major NE releases
Name: IK4306037 (5367) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Cell	Severity: critical Specific problem: SIM HEALTH CHECK -TX PWR FAILED (1238) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates that the System Integrity Monitor monitoring the health of the eNodeB has detected a degradation. Depending on the severity of the degradation, local recovery actions may be taken.		
Remedial action: If the alarm persists, the cell may need to be reinitialized.		

Table 22-1373 IK4306038 - DNS RESOLUTION ERROR

Alarm	Attributes	Applicable major NE releases
Name: IK4306038 (5368) Type: securityServiceOrMechanismViolation (92) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: DNS RESOLUTION ERROR (1239) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> LR14.1.L
Description: This event indicates that the searched item does not exist in DNS		
Remedial action: No action is required.		

Table 22-1374 IK4306039 - LOSS OF EMBMS PHASE SYNC

Alarm	Attributes	Applicable major NE releases
Name: IK4306039 (5369) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: LOSS OF EMBMS PHASE SYNC (755) Implicitly cleared: true Default probable cause: lossOfSignal (99)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates that the phase-sync requirement for supporting eMBMS can no longer be guaranteed due to the loss of clock reference.		
Remedial action: If alarm remains consider the Clock reference alarms to determine the cause of the onset of holdover.		

Table 22-1375 IK4306040 - LOGICAL RESET AND RF RECONF DUE TO ON-LINE B-CELL+RF(s) CLASS PARAMETER UPDATE

Alarm	Attributes	Applicable major NE releases
Name: IK4306040 (5370) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.Cell	Severity: variable Specific problem: LOGICAL RESET AND RF RECONF DUE TO ON-LINE B-CELL+RF(s) CLASS PARAMETER UPDATE (1240) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> LR14.1.L
Description: This event indicates the LTE Cell is logically reset and the RF is reconfigured during parameter update procedure.		
Remedial action: No action is required.		

Table 22-1376 IK4306041 - SHUTDOWN TIMEOUT WITH EMERGENCY HIGH PRIORITY CALLS ACTIVE

Alarm	Attributes	Applicable major NE releases
Name: IK4306041 (5371) Type: communicationsAlarm (4) Package: Ite Raised on class: Ite.Cell	Severity: warning Specific problem: SHUTDOWN TIMEOUT WITH EMERGENCY HIGH PRIORITY CALLS ACTIVE (1178) Implicitly cleared: true Default probable cause: callEstablishmentError (778)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates that the shutdown timer has expired for a shutting down MO but the cell has at least one emergency or high priority call active. The shutting down MO will not be locked until all emergency and high priority calls have terminated.		
Remedial action: Operator should wait for all emergency and high priority calls to terminate or force the shut down to end by locking the shutting down MO.		

Table 22-1377 IK4306042 - EMERGENCY HIGH PRIORITY CALLS ACTIVE FOR BLOCKED CELL

Alarm	Attributes	Applicable major NE releases
Name: IK4306042 (5372) Type: communicationsAlarm (4) Package: Ite Raised on class: Ite.Cell	Severity: warning Specific problem: EMERGENCY HIGH PRIORITY CALLS ACTIVE FOR BLOCKED CELL (1179) Implicitly cleared: true Default probable cause: callEstablishmentError (778)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates that there is at least one emergency or high priority call active on a cell that is blocked. The cell will not be disabled until all emergency and high priority calls have terminated.		
Remedial action: Operator should wait for all emergency and high priority calls to terminate or force the shut down to end by locking the shutting down MO.		

Table 22-1378 IK4306043 - WALG INITIALIZATION FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4306043 (5373) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: critical Specific problem: WALG INITIALIZATION FAILURE (660) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR14.1.L
Description: This alarm indicates a failure to initialize the eNodeB network processor.		
Remedial action: Reset the eNodeB.		

Table 22-1379 IK4306044 - CB UNEXPECTED PARTIAL FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4306044 (5013) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.CBCardSpecifics	Severity: variable Specific problem: CB UNEXPECTED PARTIAL FAILURE (1241) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.3 • LR14.1.L
Description: This event indicates that the ENB suffered from an unexpected, unplanned partial failure on the CB. Specific details are in the Additional Text.		
Impact: Depending on the nature of the partial failure, some Telecom or OAM functionalities may not be available during recovery. On recovery, the Telecom and OAM functionalities are available. Details of the fault signature are in the additional text.		
Remedial action: No action is required.		

Table 22-1380 IK4306045 - BB UNEXPECTED PARTIAL FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4306045 (5014) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BBCardSpecifics	Severity: variable Specific problem: BB UNEXPECTED PARTIAL FAILURE (1242) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.3 • LR14.1.L
Description: This event indicates that the ENB suffered from an unexpected, unplanned partial failure on the BB. Specific details are in the Additional Text.		
Impact: Depending on the nature of the partial failure, some Telecom or OAM functionalities may not be available during recovery. On recovery, the Telecom and OAM functionalities are available. Details of the fault signature are in the additional text.		
Remedial action: No action is required.		

Table 22-1381 IK4306046 - SCB UNEXPECTED PARTIAL FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4306046 (5015) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.MODULE	Severity: variable Specific problem: SCB UNEXPECTED PARTIAL FAILURE (1243) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.3 • LR14.1.L
Description: This event indicates that the ENB suffered from an unexpected, unplanned partial failure on the SCB. Specific details are in the Additional Text.		
Impact: Depending on the nature of the partial failure, some Telecom or OAM functionalities may not be available during recovery. On recovery, the Telecom and OAM functionalities are available. Details of the fault signature are in the additional text.		
Remedial action: No action is required.		

Table 22-1382 IK4306047 - POOL USAGE FOR RADIO ALLOCATION

Alarm	Attributes	Applicable major NE releases
Name: IK4306047 (5016) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Mce	Severity: variable Specific problem: POOL USAGE FOR RADIO ALLOCATION (1244) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.3 • LR14.1.L
Description: This event indicates that the MCE needs to use the pool of radio resources to complete the allocation for a session.		
Impact: No impact.		
Remedial action: No action is required.		

Table 22-1383 IK4306048 - MBMS RADIO CONFIGURATION FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4306048 (5017) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Cell	Severity: variable Specific problem: MBMS RADIO CONFIGURATION FAILURE (1245) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.3 • LR14.1.L
Description: This event indicates that the radio configuration made by the MCE for eMBMS could not be setup correctly.		
Impact: eMBMS services not transmitted.		
Remedial action: No action is required.		

Table 22-1384 IK4306049 - TIME FOR SESSION START STOP or UPDATE

Alarm	Attributes	Applicable major NE releases
Name: IK4306049 (5018) Type: integrityViolation (85) Package: lte Raised on class: lte.Mce	Severity: variable Specific problem: TIME FOR SESSION START STOP or UPDATE (489) Implicitly cleared: true Default probable cause: operatorCommand (905)	<ul style="list-style-type: none"> • LR13.3
Description: This event indicates that there is no absolute time has been provided in any received M3 MBMS Session Start Request, M3 MBMS Session Stop Request or M3 MBMS Session Update Request message.		
Impact: MbsfnArea allocation inconsistency might occur		
Remedial action: For the future sessions to start or stop, check that the Absolute Time is filled to avoid any risk of MbsfnArea allocation inconsistency.		

Table 22-1385 IK4306050 - BAND CLASS-BANDWIDTH NOT SUPPORTED

Alarm	Attributes	Applicable major NE releases
Name: IK4306050 (5019) Type: equipmentAlarm (3) Package: lte Raised on class: lte.Cell	Severity: major Specific problem: BAND CLASS-BANDWIDTH NOT SUPPORTED (1246) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.3 • LR14.1.L
Description: This alarm indicates that when a non-supported Band Class or Bandwidth is detected based on the Metro modem type.		
Impact: Disable cell		
Remedial action: 1 - Lock the cell. ; 2.Make sure to configure/equip the supported Band-class or Band width based on the equipped Modem type.; 3. -Unlock the cell.		

Table 22-1386 IK4306051 - MODEM CAPACITY CONFIGURATION FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4306051 (5020) Type: equipmentAlarm (3) Package: lte Raised on class: lte.Cell	Severity: minor Specific problem: MODEM CAPACITY CONFIGURATION FAILURE (1247) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.3 • LR14.1.L
Description: This alarm indicates that if the capacity tolerance check fails based on the Metro modem type.		
Impact: cell is degraded		
Remedial action: Check the capacity tolerance based the equipped Modem type.		

Table 22-1387 IK4306052 - MODEM BOARD INCOMPATIBLE WITH CONTROLLER BOARD

Alarm	Attributes	Applicable major NE releases
Name: IK4306052 (5021) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.MODULE	Severity: critical Specific problem: MODEM BOARD INCOMPATIBLE WITH CONTROLLER BOARD (1248) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.3 • LR14.1.L
Description: This alarm indicates that the modem board is not compatible with the controller board.		
Impact: The cell(s) supported by this modem are disabled.		
Remedial action: Change the modem board to a modem board supported by the controller type.		

Table 22-1388 IK4306053 - CB DATA BASE RESTORE FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4306053 (5022) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.CBCardSpecifics	Severity: warning Specific problem: CB DATA BASE RESTORE FAILURE (1249) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> • LR13.3 • LR14.1.L
Description: This alarm indicates if eNB fails to download successfully the full DB backup file for a full DB restore request, this alarm will be raised and the download will be failed.		
Impact: Depending on the nature of download failure, some Telecom or OAM functionalities may not be available during eCCM HW swap.		
Remedial action: Retry the download. If the problem persists, contact the next level support.		

Table 22-1389 IK4306060 - RFM OPERATION PROCESSING FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4306060 (5023) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.RFM	Severity: critical Specific problem: RFM OPERATION PROCESSING FAILURE (278) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> • LR13.3
Description: This alarm indicates the fault in the RFM software processing.		
Impact: The module is not usable. The LTE cells associated with this module are not operational.		
Remedial action: Reset the RFM. If the problem persists, contact the next level support.		

Table 22-1390 IK4306061 - LOSS OF EMBMS PHASE SYNC

Alarm	Attributes	Applicable major NE releases
Name: IK4306061 (5374) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: major Specific problem: LOSS OF EMBMS PHASE SYNC (755) Implicitly cleared: true Default probable cause: lossOfSignal (99)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates that the phase-sync requirement for supporting eMBMS can no longer be guaranteed due to the loss of clock reference.		
Remedial action: If alarm remains consider the Clock reference alarms to determine the cause of the onset of holdover.		

Table 22-1391 IK4306062 - CB UNEXPECTED SOC FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4306062 (5375) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.CBCardSpecifics	Severity: variable Specific problem: CB UNEXPECTED SOC FAILURE (1250) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> LR14.1.L
Description: This event indicates that the ENB suffered from an unexpected, unplanned partial failure on a SOC of a CB. Specific details are in the Additional Text.		
Remedial action: No action is required.		

Table 22-1392 IK4306063 - BB UNEXPECTED SOC FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4306063 (5376) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BBCardSpecifics	Severity: variable Specific problem: BB UNEXPECTED SOC FAILURE (1251) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> LR14.1.L
Description: This event indicates that the ENB suffered from an unexpected, unplanned partial failure on a SOC of a BB. Specific details are in the Additional Text.		
Remedial action: No action is required.		

Table 22-1393 IK4306064 - ENB LOCATION VERIFICATION FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4306064 (5377) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: critical Specific problem: ENB LOCATION VERIFICATION FAILURE (1252) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> LR14.1.L
Description: This event indicates that the eNB may not be in the expected location.		
Remedial action: Check the bbu Configured latitude and longitude and the bbuPositionErrorThreshold.		

Table 22-1394 IK4306065 - RET SOFTWARE DOWNLOAD IN PROGRESS

Alarm	Attributes	Applicable major NE releases
Name: IK4306065 (5378) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RetAldEntry	Severity: variable Specific problem: RET SOFTWARE DOWNLOAD IN PROGRESS (1253) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> LR14.1.L
Description: This event indicates that a Software Download to RET unit Started.		
Remedial action: No action is required.		

Table 22-1395 IK4306066 - CONFIGURED CELL RESOURCES MISMATCH VERSUS HARDWARE

Alarm	Attributes	Applicable major NE releases
Name: IK4306066 (5024) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.RRH	Severity: minor Specific problem: CONFIGURED CELL RESOURCES MISMATCH VERSUS HARDWARE (1254) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> LR13.3 LR14.1.L
Description: This alarm indicates inconsistency in the eNodeB configured cell resources versus the hardware capacity.		
Impact: Telecom: the assigned cell is not operational. OAM: No impact on OAM service.		
Remedial action: Verify and correct the configuration data or Verify and correct the hardware configuration		

Table 22-1396 IK4306067 - RET SOFTWARE DOWNLOAD COMPLETED

Alarm	Attributes	Applicable major NE releases
Name: IK4306067 (5379) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RetAldEntry	Severity: variable Specific problem: RET SOFTWARE DOWNLOAD COMPLETED (1255) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> LR14.1.L
Description: This event indicates that a Software Download to a RET unit Completed. The RET unit will reset automatically and would start on the new software		
Remedial action: No action is required.		

Table 22-1397 IK4306068 - RET ACF DOWNLOAD IN PROGRESS

Alarm	Attributes	Applicable major NE releases
Name: IK4306068 (5380) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RetAldEntry	Severity: variable Specific problem: RET ACF DOWNLOAD IN PROGRESS (1256) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> LR14.1.L
Description: This event indicates that a Download of an Antenna Configuration File to RET Subunit Started. The RET unit will not operational until the download is completed.		
Remedial action: No action is required.		

Table 22-1398 IK4306069 - CELL RECONFIGURATION ATTEMPT TO A NEW BB

Alarm	Attributes	Applicable major NE releases
Name: IK4306069 (5025) Type: qualityOfServiceAlarm (82) Package: lte Raised on class: lte.Cell	Severity: variable Specific problem: CELL RECONFIGURATION ATTEMPT TO A NEW BB (1257) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> LR13.3 LR14.1.L
Description: This event indicates that an attempt to reconfigure the lteCell to a new BB is performed. This procedure happens when a BB meets a permanent failure or when a new BB is inserted in the DBU.		
Impact: Short loss of the LTE service on this cell during the reconfiguration procedure if the cell was enabled at the moment it is reconfigured. The Carrier Aggregation is lost if this reconfiguration happens for coverage recovery reasons.		
Remedial action: No action is required.		

Table 22-1399 IK4306070 - LOSS OF ECSFB PHASE SYNC

Alarm	Attributes	Applicable major NE releases
Name: IK4306070 (5026) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: LOSS OF ECSFB PHASE SYNC (1258) Implicitly cleared: true Default probable cause: communicationsSubsystemFailure (915)	<ul style="list-style-type: none"> • LR13.3 • LR14.1.L
Description: This alarm indicates that the 10us phase-sync requirement for supporting eCSFB can no longer be guaranteed due to the loss of clock reference.		
Impact: eCSFB performance is degraded.		
Remedial action: If alarm remains consider the Clock reference alarms to determine the cause of the onset of holdover.		

Table 22-1400 IK4306077 - LOSS OF ECSFB PHASE SYNC

Alarm	Attributes	Applicable major NE releases
Name: IK4306077 (5027) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: major Specific problem: LOSS OF ECSFB PHASE SYNC (1258) Implicitly cleared: true Default probable cause: communicationsSubsystemFailure (915)	<ul style="list-style-type: none"> • LR13.3 • LR14.1.L
Description: This alarm indicates that the 10us phase-sync requirement for supporting eCSFB can no longer be guaranteed due to the loss of clock reference.		
Impact: eCSFB performance is degraded.		
Remedial action: If alarm remains consider the Clock reference alarms to determine the cause of the onset of holdover.		

Table 22-1401 IK4306078 - INCONSISTENT IP VERSION MULTICAST ADDRESS

Alarm	Attributes	Applicable major NE releases
Name: IK4306078 (5028) Type: communicationsAlarm (4) Package: lte Raised on class: lte.M3MmeTransportLayerAccess	Severity: variable Specific problem: INCONSISTENT IP VERSION MULTICAST ADDRESS (1237) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.3
Description: This event indicates that inconsistency between the VLAN configuration in the eNB and the IP version of the multicast address or the IP version of the multicast source address received in the M3 Session Start and M2 Session Start messages.		
Impact: The Multicast channel cannot be established with the Last Hop router and the M1 multicast traffic cannot be sent by the eNB.		
Remedial action: Change the configuration of the IP version in the VLAN at the eNB or the IP version of the multicast address or the IP version of the address of the multicast source at the eMBMs GW.		

Table 22-1402 IK4306079 - CELL RESET OAM TIMEOUT

Alarm	Attributes	Applicable major NE releases
Name: IK4306079 (5029) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Cell	Severity: critical Specific problem: CELL RESET OAM TIMEOUT (1259) Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> • LR13.3 • LR14.1.L
Description: This alarm indicates message from eNB OAM is not received in Cellcallp in time		
Impact: The service is not possible on this cell.		
Remedial action: Lock and unlock the cell. If the alarm persists. Call the next level of support.		

Table 22-1403 IK4306080 - TMA SOFTWARE DOWNLOAD IN PROGRESS

Alarm	Attributes	Applicable major NE releases
Name: IK4306080 (5381) Type: equipmentAlarm (3) Package: lte Raised on class: lte.TmaAidEntry	Severity: variable Specific problem: TMA SOFTWARE DOWNLOAD IN PROGRESS (1260) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR14.1.L
Description: This event indicates that a Software Download to TMA unit Started.		
Remedial action: No action is required.		

Table 22-1404 IK4306081 - TMA SOFTWARE DOWNLOAD COMPLETED

Alarm	Attributes	Applicable major NE releases
Name: IK4306081 (5382) Type: equipmentAlarm (3) Package: lte Raised on class: lte.TmaAidEntry	Severity: variable Specific problem: TMA SOFTWARE DOWNLOAD COMPLETED (1261) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR14.1.L
Description: This event indicates that a Software Download to a TMA unit Completed. The TMA unit will reset automatically and would start on the new software		
Remedial action: No action is required.		

Table 22-1405 IK4306082 - RET ACF DOWNLOAD COMPLETED

Alarm	Attributes	Applicable major NE releases
Name: IK4306082 (5383) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.RetAldEntry	Severity: variable Specific problem: RET ACF DOWNLOAD COMPLETED (1262) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR14.1.L
Description: This event indicates that the Download of the ACF to the RET unit completed.		
Remedial action: No action is required.		

Table 22-1406 IK4306092 - MODEM RESET DUE TO RE-ASSIGNMENT OF MODEM RESOURCES

Alarm	Attributes	Applicable major NE releases
Name: IK4306092 (5030) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.BBCardSpecifics	Severity: variable Specific problem: MODEM RESET DUE TO RE-ASSIGNMENT OF MODEM RESOURCES (1263) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.3 • LR14.1.L
Description: The event indicates that a Modem has been reset due to the re-assignment of the modem resources to cells.		
Impact: Service impact on Modem		
Remedial action: No action is required.		

Table 22-1407 IK4306093 - FEATURE ONE LOGIC CELL NOT SUPPORTED

Alarm	Attributes	Applicable major NE releases
Name: IK4306093 (5031) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.Cell	Severity: critical Specific problem: FEATURE ONE LOGIC CELL NOT SUPPORTED (1264) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.3 • LR14.1.L
Description: This alarm indicates that the OLC feature is not supported by current cell configuration.		
Impact: Telecom: The cell is not operational. OAM: No impact on OAM service.		
Remedial action: Verify and correct the configuration data.		

Table 22-1408 IK4306094 - FEATURE RRH DAISY CHAIN NOT SUPPORTED

Alarm	Attributes	Applicable major NE releases
Name: IK4306094 (5032) Type: equipmentAlarm (3) Package: lte Raised on class: lte.Cell	Severity: critical Specific problem: FEATURE RRH DAISY CHAIN NOT SUPPORTED (1265) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.3 • LR14.1.L
Description: This alarm indicates that the cell mapped on chained RRH is not supported by equipped controller type.		
Impact: Telecom: The cell is not operational. OAM: No impact on OAM service.		
Remedial action: Verify and correct the configuration data.		

Table 22-1409 IK4306095 - CELL CONFIGURATION DATA MISMATCH VERSUS CORRESPONDING FEATURE DEACTIVATION

Alarm	Attributes	Applicable major NE releases
Name: IK4306095 (5033) Type: equipmentAlarm (3) Package: lte Raised on class: lte.Cell	Severity: critical Specific problem: CELL CONFIGURATION DATA MISMATCH VERSUS CORRESPONDING FEATURE DEACTIVATION (1185) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.3
Description: This alarm indicates the cell configuration data mismatch versus corresponding feature deactivation.		
Impact: Telecom: The cell is not operational. OAM: No impact on OAM service.		
Remedial action: Verify and correct the configuration data.		

Table 22-1410 IK4306096 - PCI UNSOLVED UNDER CONTROLLED MODE

Alarm	Attributes	Applicable major NE releases
Name: IK4306096 (5034) Type: operationalViolation (93) Package: lte Raised on class: lte.Cell	Severity: critical Specific problem: PCI UNSOLVED UNDER CONTROLLED MODE (1266) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.3 • LR14.1.L
Description: This alarm indicates a PCI conflict (collision and/or confusion) between the cell and a neighbour one. A manual intervention is needed to solve the problem. This can happen in the following case: The recommended PCI value can't be raised by eNB and PCI controlled mode is activated.		
Impact: Interference in reference signal of conflicting cells, preventing potentially UEs to select these cells.		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: Increase the list of allowed PCI values, either for the local or for the distant eNodeB or manual PCI online modification from SAM.		

(2 of 2)

Table 22-1411 IK4306098 - LAST S1 SCTP ASSOCIATION FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4306098 (5035) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MmeTransportLayerAccess	Severity: critical Specific problem: LAST S1 SCTP ASSOCIATION FAILURE (640) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR13.3
Description: This alarm indicates that the MME does not acknowledge the S1 association request from the eNodeB.		
Impact: Telecom: Telecom traffic is not possible. OAM: No impact on OAM service.		
Remedial action: 1. Check IP and SCTP provisioning in eNB and MME. 2. Check network connectivity between eNB and MME.		

Table 22-1412 IK4306099 - LAST S1 SCTP ASSOCIATION DOWN

Alarm	Attributes	Applicable major NE releases
Name: IK4306099 (5036) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MmeTransportLayerAccess	Severity: critical Specific problem: LAST S1 SCTP ASSOCIATION DOWN (641) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR13.3
Description: This alarm indicates the last S1 association fault between eNodeB and MME.		
Impact: Telecom: Impacts the telecom service depending on the nature of failure. OAM: No impact on OAM service.		
Remedial action: 1. Check IP and SCTP provisioning in eNB and MME. 2. Check network connectivity between eNB and MME.		

Table 22-1413 IK4306100 - NO RESPONSE TO ECHO REQUEST ON LAST S1

Alarm	Attributes	Applicable major NE releases
Name: IK4306100 (5037) Type: communicationsAlarm (4) Package: lte Raised on class: lte.MmeAccess	Severity: critical Specific problem: NO RESPONSE TO ECHO REQUEST ON LAST S1 (1267) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LR13.3 LR14.1.L

(1 of 2)

22 – Alcatel-Lucent 9xxx eNodeB alarms

Alarm	Attributes	Applicable major NE releases
Description: This alarm indicates at the last S1 fault following no response to a GTP Echo request. The alarm is triggered when the eNodeB does not receive a response to a GTP echo request message sent on a S1 interface towards a Serving Gateway. The alarm is triggered to signal a S1 failure when there are several SGW because of several operators with their own SGW or because an operator has several SGW. It is not possible to identify the failed S1 link.		
Impact: Telecom: The performance of the telecom service is low. OAM: No impact on OAM service.		
Remedial action: Check for connectivity and verify the GTP provisioning.		

(2 of 2)

Table 22-1414 IK4306101 - PCI CHANGE

Alarm	Attributes	Applicable major NE releases
Name: IK4306101 (5038) Type: communicationsAlarm (4) Package: lte Raised on class: lte.Cell	Severity: variable Specific problem: PCI CHANGE (1268) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.3 • LR14.1.L
Description: This event indicates that a new PCI is assigned by the eNodeB to the cell.		
Impact: The cell has been reset. The Cell is running with the new PCI.		
Remedial action: No action is required.		

Table 22-1415 IK4306107 - ALL ALARMS CLEARED

Alarm	Attributes	Applicable major NE releases
Name: IK4306107 (5039) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: minor Specific problem: ALL ALARMS CLEARED (1213) Implicitly cleared: true Default probable cause: softwareProgramAbnormallyTerminated (719)	<ul style="list-style-type: none"> • LR13.3 • LR14.1.L
Description: This is a pseudo alarm to indicate that all pending alarms have been cleared, e.g. by a reset of the eNB controller.		
Impact: There is no impact by this alarm.		
Remedial action: No Maintenance Action requires.		

Table 22-1416 IK4500001 - AMR EXTERNAL CONTACT CHANGE 1

Alarm	Attributes	Applicable major NE releases
Name: IK4500001 (2715) Type: equipmentAlarm (3) Package: lte Raised on class: lte.AMR	Severity: minor Specific problem: AMR EXTERNAL CONTACT CHANGE 1 (1269) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that the RF cabinet external contact for the user alarm closure has changed.		
Impact: Impacts the user equipment.		
Remedial action: Check the user equipment.		

Table 22-1417 IK4500002 - AMR EXTERNAL CONTACT CHANGE 2

Alarm	Attributes	Applicable major NE releases
Name: IK4500002 (2716) Type: equipmentAlarm (3) Package: lte Raised on class: lte.AMR	Severity: minor Specific problem: AMR EXTERNAL CONTACT CHANGE 2 (1270) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that the RF cabinet external contact for the user alarm closure has changed.		
Impact: Impacts the user equipment.		
Remedial action: Check the user equipment.		

Table 22-1418 IK4500003 - AMR EXTERNAL CONTACT CHANGE 3

Alarm	Attributes	Applicable major NE releases
Name: IK4500003 (2717) Type: equipmentAlarm (3) Package: lte Raised on class: lte.AMR	Severity: minor Specific problem: AMR EXTERNAL CONTACT CHANGE 3 (1271) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that the RF cabinet external contact for the user alarm closure has changed.		
Impact: Impacts the user equipment.		
Remedial action: Check the user equipment.		

Table 22-1419 IK4500004 - AMR EXTERNAL CONTACT CHANGE 4

Alarm	Attributes	Applicable major NE releases
Name: IK4500004 (2718) Type: equipmentAlarm (3) Package: lte Raised on class: lte.AMR	Severity: minor Specific problem: AMR EXTERNAL CONTACT CHANGE 4 (1272) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that the RF cabinet external contact for the user alarm closure has changed.		
Impact: Impacts the user equipment.		
Remedial action: Check the user equipment.		

Table 22-1420 IK4500005 - AMR EXTERNAL CONTACT CHANGE 5

Alarm	Attributes	Applicable major NE releases
Name: IK4500005 (2719) Type: equipmentAlarm (3) Package: lte Raised on class: lte.AMR	Severity: minor Specific problem: AMR EXTERNAL CONTACT CHANGE 5 (1273) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that the RF cabinet external contact for the user alarm closure has changed.		
Impact: Impacts the user equipment.		
Remedial action: Check the user equipment.		

Table 22-1421 IK4500006 - AMR EXTERNAL CONTACT CHANGE 6

Alarm	Attributes	Applicable major NE releases
Name: IK4500006 (2720) Type: equipmentAlarm (3) Package: lte Raised on class: lte.AMR	Severity: minor Specific problem: AMR EXTERNAL CONTACT CHANGE 6 (1274) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that the RF cabinet external contact for the user alarm closure has changed.		
Impact: Impacts the user equipment.		
Remedial action: Check the user equipment.		

Table 22-1422 IK4500007 - AMR EXTERNAL CONTACT CHANGE 7

Alarm	Attributes	Applicable major NE releases
Name: IK4500007 (2721) Type: equipmentAlarm (3) Package: lte Raised on class: lte.AMR	Severity: minor Specific problem: AMR EXTERNAL CONTACT CHANGE 7 (1275) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that the RF cabinet external contact for the user alarm closure has changed.		
Impact: Impacts the user equipment.		
Remedial action: Check the user equipment.		

Table 22-1423 IK4500008 - AMR EXTERNAL CONTACT CHANGE 8

Alarm	Attributes	Applicable major NE releases
Name: IK4500008 (2722) Type: equipmentAlarm (3) Package: lte Raised on class: lte.AMR	Severity: minor Specific problem: AMR EXTERNAL CONTACT CHANGE 8 (1276) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that the RF cabinet external contact for the user alarm closure has changed.		
Impact: Impacts the user equipment.		
Remedial action: Check the user equipment.		

Table 22-1424 IK4500009 - DBU EXTERNAL CONTACT CHANGE 1

Alarm	Attributes	Applicable major NE releases
Name: IK4500009 (2723) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBShelfSpecifics	Severity: minor Specific problem: DBU EXTERNAL CONTACT CHANGE 1 (1277) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a change in the external user alarm contact state.		
Impact: No impact on eNodeB.		
Remedial action: Check the user equipment.		

Table 22-1425 IK4500010 - DBU EXTERNAL CONTACT CHANGE 2

Alarm	Attributes	Applicable major NE releases
Name: IK4500010 (2724) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBShelfSpecifics	Severity: minor Specific problem: DBU EXTERNAL CONTACT CHANGE 2 (1278) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a change in the external user alarm contact state.		
Impact: No impact on eNodeB.		
Remedial action: Check the user equipment.		

Table 22-1426 IK4500011 - DBU EXTERNAL CONTACT CHANGE 3

Alarm	Attributes	Applicable major NE releases
Name: IK4500011 (2725) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBShelfSpecifics	Severity: minor Specific problem: DBU EXTERNAL CONTACT CHANGE 3 (1279) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a change in the external user alarm contact state.		
Impact: No impact on eNodeB.		
Remedial action: Check the user equipment.		

Table 22-1427 IK4500012 - DBU EXTERNAL CONTACT CHANGE 4

Alarm	Attributes	Applicable major NE releases
Name: IK4500012 (2726) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBShelfSpecifics	Severity: minor Specific problem: DBU EXTERNAL CONTACT CHANGE 4 (1280) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a change in the external user alarm contact state.		
Impact: No impact on eNodeB.		
Remedial action: Check the user equipment.		

Table 22-1428 IK4500013 - DBU EXTERNAL CONTACT CHANGE 5

Alarm	Attributes	Applicable major NE releases
Name: IK4500013 (2727) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBSelfSpecifics	Severity: minor Specific problem: DBU EXTERNAL CONTACT CHANGE 5 (1281) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a change in the external user alarm contact state.		
Impact: No impact on eNodeB.		
Remedial action: Check the user equipment.		

Table 22-1429 IK4500014 - DBU EXTERNAL CONTACT CHANGE 6

Alarm	Attributes	Applicable major NE releases
Name: IK4500014 (2728) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBSelfSpecifics	Severity: minor Specific problem: DBU EXTERNAL CONTACT CHANGE 6 (1282) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a change in the external user alarm contact state.		
Impact: No impact on eNodeB.		
Remedial action: Check the user equipment.		

Table 22-1430 IK4500015 - DBU EXTERNAL CONTACT CHANGE 7

Alarm	Attributes	Applicable major NE releases
Name: IK4500015 (2729) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBSelfSpecifics	Severity: minor Specific problem: DBU EXTERNAL CONTACT CHANGE 7 (1283) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a change in the external user alarm contact state.		
Impact: No impact on eNodeB.		
Remedial action: Check the user equipment.		

Table 22-1431 IK4500016 - DBU EXTERNAL CONTACT CHANGE 8

Alarm	Attributes	Applicable major NE releases
Name: IK4500016 (2730) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBShelfSpecifics	Severity: minor Specific problem: DBU EXTERNAL CONTACT CHANGE 8 (1284) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a change in the external user alarm contact state.		
Impact: No impact on eNodeB.		
Remedial action: Check the user equipment.		

Table 22-1432 IK4500017 - DBU EXTERNAL CONTACT CHANGE 9

Alarm	Attributes	Applicable major NE releases
Name: IK4500017 (2731) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBShelfSpecifics	Severity: minor Specific problem: DBU EXTERNAL CONTACT CHANGE 9 (1285) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a change in the external user alarm contact state.		
Impact: No impact on eNodeB.		
Remedial action: Check the user equipment.		

Table 22-1433 IK4500018 - DBU EXTERNAL CONTACT CHANGE 10

Alarm	Attributes	Applicable major NE releases
Name: IK4500018 (2732) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBShelfSpecifics	Severity: minor Specific problem: DBU EXTERNAL CONTACT CHANGE 10 (1286) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a change in the external user alarm contact state.		
Impact: No impact on eNodeB.		
Remedial action: Check the user equipment.		

Table 22-1434 IK4500019 - DBU EXTERNAL CONTACT CHANGE 11

Alarm	Attributes	Applicable major NE releases
Name: IK4500019 (2733) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBSelfSpecifics	Severity: minor Specific problem: DBU EXTERNAL CONTACT CHANGE 11 (1287) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a change in the external user alarm contact state.		
Impact: No impact on eNodeB.		
Remedial action: Check the user equipment.		

Table 22-1435 IK4500020 - DBU EXTERNAL CONTACT CHANGE 12

Alarm	Attributes	Applicable major NE releases
Name: IK4500020 (2734) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBSelfSpecifics	Severity: minor Specific problem: DBU EXTERNAL CONTACT CHANGE 12 (1288) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a change in the external user alarm contact state.		
Impact: No impact on eNodeB.		
Remedial action: Check the user equipment.		

Table 22-1436 IK4500021 - DBU EXTERNAL CONTACT CHANGE 13

Alarm	Attributes	Applicable major NE releases
Name: IK4500021 (2735) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBSelfSpecifics	Severity: minor Specific problem: DBU EXTERNAL CONTACT CHANGE 13 (1289) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a change in the external user alarm contact state.		
Impact: No impact on eNodeB.		
Remedial action: Check the user equipment.		

Table 22-1437 IK4500022 - DBU EXTERNAL CONTACT CHANGE 14

Alarm	Attributes	Applicable major NE releases
Name: IK4500022 (2736) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBShelfSpecifics	Severity: minor Specific problem: DBU EXTERNAL CONTACT CHANGE 14 (1290) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a change in the external user alarm contact state.		
Impact: No impact on eNodeB.		
Remedial action: Check the user equipment.		

Table 22-1438 IK4500023 - DBU EXTERNAL CONTACT CHANGE 15

Alarm	Attributes	Applicable major NE releases
Name: IK4500023 (2737) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBShelfSpecifics	Severity: minor Specific problem: DBU EXTERNAL CONTACT CHANGE 15 (1291) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a change in the external user alarm contact state.		
Impact: No impact on eNodeB.		
Remedial action: Check the user equipment.		

Table 22-1439 IK4500024 - DBU EXTERNAL CONTACT CHANGE 16

Alarm	Attributes	Applicable major NE releases
Name: IK4500024 (2738) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBShelfSpecifics	Severity: minor Specific problem: DBU EXTERNAL CONTACT CHANGE 16 (1292) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a change in the external user alarm contact state.		
Impact: No impact on eNodeB.		
Remedial action: Check the user equipment.		

Table 22-1440 IK4500025 - DBU EXTERNAL CONTACT CHANGE 17

Alarm	Attributes	Applicable major NE releases
Name: IK4500025 (2739) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBShelfSpecifics	Severity: minor Specific problem: DBU EXTERNAL CONTACT CHANGE 17 (1293) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a change in the external user alarm contact state.		
Impact: No impact on eNodeB.		
Remedial action: Check the user equipment.		

Table 22-1441 IK4500026 - DBU EXTERNAL CONTACT CHANGE 18

Alarm	Attributes	Applicable major NE releases
Name: IK4500026 (2740) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBShelfSpecifics	Severity: minor Specific problem: DBU EXTERNAL CONTACT CHANGE 18 (1294) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a change in the external user alarm contact state.		
Impact: No impact on eNodeB.		
Remedial action: Check the user equipment.		

Table 22-1442 IK4500027 - DBU EXTERNAL CONTACT CHANGE 19

Alarm	Attributes	Applicable major NE releases
Name: IK4500027 (2741) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBShelfSpecifics	Severity: minor Specific problem: DBU EXTERNAL CONTACT CHANGE 19 (1295) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a change in the external user alarm contact state.		
Impact: No impact on eNodeB.		
Remedial action: Check the user equipment.		

Table 22-1443 IK4500028 - DBU EXTERNAL CONTACT CHANGE 20

Alarm	Attributes	Applicable major NE releases
Name: IK4500028 (2742) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBShelfSpecifics	Severity: minor Specific problem: DBU EXTERNAL CONTACT CHANGE 20 (1296) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a change in the external user alarm contact state.		
Impact: No impact on eNodeB.		
Remedial action: Check the user equipment.		

Table 22-1444 IK4500029 - DBU EXTERNAL CONTACT CHANGE 21

Alarm	Attributes	Applicable major NE releases
Name: IK4500029 (2743) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBShelfSpecifics	Severity: minor Specific problem: DBU EXTERNAL CONTACT CHANGE 21 (1297) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a change in the external user alarm contact state.		
Impact: No impact on eNodeB.		
Remedial action: Check the user equipment.		

Table 22-1445 IK4500030 - DBU EXTERNAL CONTACT CHANGE 22

Alarm	Attributes	Applicable major NE releases
Name: IK4500030 (2744) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBShelfSpecifics	Severity: minor Specific problem: DBU EXTERNAL CONTACT CHANGE 22 (1298) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a change in the external user alarm contact state.		
Impact: No impact on eNodeB.		
Remedial action: Check the user equipment.		

Table 22-1446 IK4500031 - DBU EXTERNAL CONTACT CHANGE 23

Alarm	Attributes	Applicable major NE releases
Name: IK4500031 (2745) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBShelfSpecifics	Severity: minor Specific problem: DBU EXTERNAL CONTACT CHANGE 23 (1299) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a change in the external user alarm contact state.		
Impact: No impact on eNodeB.		
Remedial action: Check the user equipment.		

Table 22-1447 IK4500032 - DBU EXTERNAL CONTACT CHANGE 24

Alarm	Attributes	Applicable major NE releases
Name: IK4500032 (2746) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBShelfSpecifics	Severity: minor Specific problem: DBU EXTERNAL CONTACT CHANGE 24 (1300) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a change in the external user alarm contact state.		
Impact: No impact on eNodeB.		
Remedial action: Check the user equipment.		

Table 22-1448 IK4500033 - DBU EXTERNAL CONTACT CHANGE 25

Alarm	Attributes	Applicable major NE releases
Name: IK4500033 (2747) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBShelfSpecifics	Severity: minor Specific problem: DBU EXTERNAL CONTACT CHANGE 25 (1301) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a change in the external user alarm contact state.		
Impact: No impact on eNodeB.		
Remedial action: Check the user equipment.		

Table 22-1449 IK4500034 - DBU EXTERNAL CONTACT CHANGE 26

Alarm	Attributes	Applicable major NE releases
Name: IK4500034 (2748) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBShelfSpecifics	Severity: minor Specific problem: DBU EXTERNAL CONTACT CHANGE 26 (1302) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a change in the external user alarm contact state.		
Impact: No impact on eNodeB.		
Remedial action: Check the user equipment.		

Table 22-1450 IK4500035 - DBU EXTERNAL CONTACT CHANGE 27

Alarm	Attributes	Applicable major NE releases
Name: IK4500035 (2749) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBShelfSpecifics	Severity: minor Specific problem: DBU EXTERNAL CONTACT CHANGE 27 (1303) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a change in the external user alarm contact state.		
Impact: No impact on eNodeB.		
Remedial action: Check the user equipment.		

Table 22-1451 IK4500036 - DBU EXTERNAL CONTACT CHANGE 28

Alarm	Attributes	Applicable major NE releases
Name: IK4500036 (2750) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBShelfSpecifics	Severity: minor Specific problem: DBU EXTERNAL CONTACT CHANGE 28 (1304) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a change in the external user alarm contact state.		
Impact: No impact on eNodeB.		
Remedial action: Check the user equipment.		

Table 22-1452 IK4500037 - DBU EXTERNAL CONTACT CHANGE 29

Alarm	Attributes	Applicable major NE releases
Name: IK4500037 (2751) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBShelfSpecifics	Severity: minor Specific problem: DBU EXTERNAL CONTACT CHANGE 29 (1305) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a change in the external user alarm contact state.		
Impact: No impact on eNodeB.		
Remedial action: Check the user equipment.		

Table 22-1453 IK4500038 - DBU EXTERNAL CONTACT CHANGE 30

Alarm	Attributes	Applicable major NE releases
Name: IK4500038 (2752) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBShelfSpecifics	Severity: minor Specific problem: DBU EXTERNAL CONTACT CHANGE 30 (1306) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a change in the external user alarm contact state.		
Impact: No impact on eNodeB.		
Remedial action: Check the user equipment.		

Table 22-1454 IK4500039 - DBU EXTERNAL CONTACT CHANGE 31

Alarm	Attributes	Applicable major NE releases
Name: IK4500039 (2753) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBShelfSpecifics	Severity: minor Specific problem: DBU EXTERNAL CONTACT CHANGE 31 (1307) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a change in the external user alarm contact state.		
Impact: No impact on eNodeB.		
Remedial action: Check the user equipment.		

Table 22-1455 IK4500040 - DBU EXTERNAL CONTACT CHANGE 32

Alarm	Attributes	Applicable major NE releases
Name: IK4500040 (2754) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBSelfSpecifics	Severity: minor Specific problem: DBU EXTERNAL CONTACT CHANGE 32 (1308) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates a change in the external user alarm contact state.		
Impact: No impact on eNodeB.		
Remedial action: Check the user equipment.		

Table 22-1456 IK4500041 - RFM EXTERNAL CONTACT CHANGE 1

Alarm	Attributes	Applicable major NE releases
Name: IK4500041 (2755) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: minor Specific problem: RFM EXTERNAL CONTACT CHANGE 1 (1309) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that the external alarm wired to the RFM has changed state.		
Impact: No impact on eNodeB.		
Remedial action: Check the attached user equipment.		

Table 22-1457 IK4500042 - RFM EXTERNAL CONTACT CHANGE 2

Alarm	Attributes	Applicable major NE releases
Name: IK4500042 (2756) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: minor Specific problem: RFM EXTERNAL CONTACT CHANGE 2 (1310) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that the external alarm wired to the RFM has changed state.		
Impact: No impact on eNodeB.		
Remedial action: Check the attached user equipment.		

Table 22-1458 IK4500043 - RFM EXTERNAL CONTACT CHANGE 3

Alarm	Attributes	Applicable major NE releases
Name: IK4500043 (2757) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: minor Specific problem: RFM EXTERNAL CONTACT CHANGE 3 (1311) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that the external alarm wired to the RFM has changed state.		
Impact: No impact on eNodeB.		
Remedial action: Check the attached user equipment.		

Table 22-1459 IK4500044 - RFM EXTERNAL CONTACT CHANGE 4

Alarm	Attributes	Applicable major NE releases
Name: IK4500044 (2758) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: minor Specific problem: RFM EXTERNAL CONTACT CHANGE 4 (1312) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that the external alarm wired to the RFM has changed state.		
Impact: No impact on eNodeB.		
Remedial action: Check the attached user equipment.		

Table 22-1460 IK4500045 - RFM EXTERNAL CONTACT CHANGE 5

Alarm	Attributes	Applicable major NE releases
Name: IK4500045 (2759) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: minor Specific problem: RFM EXTERNAL CONTACT CHANGE 5 (1313) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that the external alarm wired to the RFM has changed state.		
Impact: No impact on eNodeB.		
Remedial action: Check the attached user equipment.		

Table 22-1461 IK4500046 - RFM EXTERNAL CONTACT CHANGE 6

Alarm	Attributes	Applicable major NE releases
Name: IK4500046 (2760) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: minor Specific problem: RFM EXTERNAL CONTACT CHANGE 6 (1314) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that the external alarm wired to the RFM has changed state.		
Impact: No impact on eNodeB.		
Remedial action: Check the attached user equipment.		

Table 22-1462 IK4500047 - RFM EXTERNAL CONTACT CHANGE 7

Alarm	Attributes	Applicable major NE releases
Name: IK4500047 (3272) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: minor Specific problem: RFM EXTERNAL CONTACT CHANGE 7 (1315) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that the external alarm wired to the RFM has changed state.		
Impact: No impact on eNodeB.		
Remedial action: Check the attached user equipment.		

Table 22-1463 IK4500048 - RFM EXTERNAL CONTACT CHANGE 8

Alarm	Attributes	Applicable major NE releases
Name: IK4500048 (3273) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: minor Specific problem: RFM EXTERNAL CONTACT CHANGE 8 (1316) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm indicates that the external alarm wired to the RFM has changed state.		
Impact: No impact on eNodeB.		
Remedial action: Check the attached user equipment.		

Table 22-1464 IK4901001 - POWER ON

Alarm	Attributes	Applicable major NE releases
Name: IK4901001 (2761) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: variable Specific problem: POWER ON (1317) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates that the system is powered on successfully.		
Impact: All resources are available on successful power on of the system.		
Remedial action: No action is required.		

Table 22-1465 IK4901002 - CORRUPT FILE

Alarm	Attributes	Applicable major NE releases
Name: IK4901002 (2762) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BBCardSpecifics	Severity: variable Specific problem: CORRUPT FILE (1318) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates a checksum error.		
Impact: Software replacement failure.		
Remedial action: No action is required.		

Table 22-1466 IK4901003 - CORRUPT FILE

Alarm	Attributes	Applicable major NE releases
Name: IK4901003 (2763) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.CBCardSpecifics	Severity: variable Specific problem: CORRUPT FILE (1318) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates a checksum error.		
Impact: Software replacement failure.		
Remedial action: No action is required.		

Table 22-1467 IK4901004 - CORRUPT FILE

Alarm	Attributes	Applicable major NE releases
Name: IK4901004 (2764) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.RRH	Severity: variable Specific problem: CORRUPT FILE (1318) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates a checksum error.		
Impact: Software replacement failure.		
Remedial action: No action is required.		

Table 22-1468 IK4901005 - CORRUPT FILE

Alarm	Attributes	Applicable major NE releases
Name: IK4901005 (2765) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.TRDU	Severity: variable Specific problem: CORRUPT FILE (1318) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates a checksum error.		
Impact: Software replacement failure.		
Remedial action: No action is required.		

Table 22-1469 IK4901006 - RESET CONTROLLER OAM LACK RESOURCE

Alarm	Attributes	Applicable major NE releases
Name: IK4901006 (2766) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: RESET CONTROLLER OAM LACK RESOURCE (1319) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> • LT6.0
Description: This event indicates that the controller board is reset due to lack of internal resources.		
Impact: Telecom: All associated calls and cells are not operational during reset. On successful reset, all resources are functional. OAM: The OAM functionalities are not available during reset. On successful reset, the OAM functionalities are available.		
Remedial action: If the alarm persists, call the next level of support.		

Table 22-1470 IK4901007 - RESET CONTROLLER WATCHDOG

Alarm	Attributes	Applicable major NE releases
Name: IK4901007 (2767) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: RESET CONTROLLER WATCHDOG (1320) Implicitly cleared: true Default probable cause: softwareError (718)	<ul style="list-style-type: none"> LT6.0
Description: This event indicates that the controller is reset due to hardware watchdog timeout.		
Impact: Telecom: All associated calls and cells are not operational during reset. On successful reset, all resources are functional. OAM: The OAM functionalities are not available during reset. On successful reset, the OAM functionalities are available.		
Remedial action: If the alarm persists, call the next level of support.		

Table 22-1471 IK4901008 - CONTROLLER OAM AUTO RESET

Alarm	Attributes	Applicable major NE releases
Name: IK4901008 (2768) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: CONTROLLER OAM AUTO RESET (1321) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LT6.0
Description: This event indicates that the controller is auto-reset due to an internal problem.		
Impact: Telecom: All associated calls and cells are not operational during reset. On successful reset, all resources are functional. OAM: The OAM functionalities are not available during reset. On successful reset, the OAM functionalities are available.		
Remedial action: If the alarm persists, call the next level of support.		

Table 22-1472 IK4901009 - OAM AUTO RESET

Alarm	Attributes	Applicable major NE releases
Name: IK4901009 (2769) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: OAM AUTO RESET (1322) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> LT6.0
Description: This event indicates an OAM auto-reset due to an internal problem.		
Impact: Telecom: All associated calls and cells are not operational during reset. On successful reset, all resources are functional. OAM: The OAM functionalities are not available during reset. On successful reset, the OAM functionalities are available.		
Remedial action: If the alarm persists, call the next level of support.		

Table 22-1473 IK4901010 - RESET OAM EXCEPTION

Alarm	Attributes	Applicable major NE releases
Name: IK4901010 (2770) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: variable Specific problem: RESET OAM EXCEPTION (1323) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates that the controller is reset due to an processor exception.		
Impact: Telecom: All associated calls and cells are not operational during reset. On successful reset, all resources are functional. OAM: The OAM functionalities are not available during reset. On successful reset, the OAM functionalities are available.		
Remedial action: No action is required.		

Table 22-1474 IK4901011 - RESET AFTER ACTIVATE WITH DB MIGRATION

Alarm	Attributes	Applicable major NE releases
Name: IK4901011 (2771) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: variable Specific problem: RESET AFTER ACTIVATE WITH DB MIGRATION (1324) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates the software activation and the successful data migration.		
Impact: Telecom: All associated calls and cells are not operational during reset. On successful reset, all resources are functional. OAM: The OAM functionalities are not available during reset. On successful reset, the OAM functionalities are available.		
Remedial action: No action is required.		

Table 22-1475 IK4901012 - RESET AFTER ACTIVATE WITHOUT DB MIGRATION

Alarm	Attributes	Applicable major NE releases
Name: IK4901012 (2772) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: variable Specific problem: RESET AFTER ACTIVATE WITHOUT DB MIGRATION (1325) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates the software activation without a data migration.		
Impact: Telecom: All associated calls and cells are not operational during reset. On successful reset, all resources are functional. OAM: The OAM functionalities are not available during reset. On successful reset, the OAM functionalities are available.		
Remedial action: No action is required.		

Table 22-1476 IK4901013 - RESET AFTER ACTIVATE WITH EMPTY DATABASE

Alarm	Attributes	Applicable major NE releases
Name: IK4901013 (2773) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: variable Specific problem: RESET AFTER ACTIVATE WITH EMPTY DATABASE (1326) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates the software activation. The database is not found.		
Impact: Telecom: All associated calls and cells are not operational during reset. On successful reset, all resources are functional. OAM: The OAM functionalities are not available during reset. On successful reset, the OAM functionalities are available.		
Remedial action: No action is required.		

Table 22-1477 IK4901014 - RESET AFTER REJECT

Alarm	Attributes	Applicable major NE releases
Name: IK4901014 (2774) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: variable Specific problem: RESET AFTER REJECT (1327) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates that the software is rejected. The module is reset to activate the previous software version.		
Impact: Telecom: All associated calls and cells are not operational during reset. On successful reset, all resources are functional. OAM: The OAM functionalities are not available during reset. On successful reset, the OAM functionalities are available.		
Remedial action: No action is required.		

Table 22-1478 IK4901015 - RESET AFTER REJECT WITH EMPTY DATABASE

Alarm	Attributes	Applicable major NE releases
Name: IK4901015 (2775) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: variable Specific problem: RESET AFTER REJECT WITH EMPTY DATABASE (1328) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates that the software is rejected. The module is reset to activate the previous software version. The database is not found.		
Impact: Telecom: All associated calls and cells are not operational during reset. On successful reset, all resources are functional. OAM: The OAM functionalities are not available during reset. On successful reset, the OAM functionalities are available.		
Remedial action: No action is required.		

Table 22-1479 IK4901016 - AUTO-REJECT TO PREVIOUS SW VERSION AFTER ACTIVATE

Alarm	Attributes	Applicable major NE releases
Name: IK4901016 (2776) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: variable Specific problem: AUTO-REJECT TO PREVIOUS SW VERSION AFTER ACTIVATE (1329) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates that a reset was performed due to the activation of the previous software version caused by a corrupt file.		
Impact: Telecom: All associated calls and cells are not operational during reset. On successful reset, all resources are functional. OAM: The OAM functionalities are not available during reset. On successful reset, the OAM functionalities are available.		
Remedial action: No action is required.		

Table 22-1480 IK4901018 - SW UPDATED AUTOMATICALLY

Alarm	Attributes	Applicable major NE releases
Name: IK4901018 (2778) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: variable Specific problem: SW UPDATED AUTOMATICALLY (1331) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates the board was enabled with invalid software. OAM automatically updates the required software version.		
Impact: Telecom: All calls and cells associated with the module are not operational. On successful reset, all resources are functional. OAM: No impact on OAM service.		
Remedial action: No action is required.		

Table 22-1481 IK4901019 - CB DOWNLOAD FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4901019 (2779) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: variable Specific problem: CB DOWNLOAD FAILURE (1332) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates the failure of the FTP transfer of the software package from the code-server to the local RAM disk.		
Impact: Telecom: No impact on telecom service. OAM: No impact on OAM service.		
Remedial action: No action is required.		

Table 22-1482 IK4901020 - CB MODULE DOWNLOAD FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4901020 (2780) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: variable Specific problem: CB MODULE DOWNLOAD FAILURE (1333) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates the failure to transfer the software package from the local storage to the board.		
Impact: Telecom: No impact on telecom service. OAM: No impact on OAM service.		
Remedial action: No action is required.		

Table 22-1483 IK4901021 - BB MODULE DOWNLOAD FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4901021 (2781) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: variable Specific problem: BB MODULE DOWNLOAD FAILURE (1334) Implicitly cleared: true Default probable cause: softwareError (718)	<ul style="list-style-type: none"> • LT6.0
Description: This event indicates the failure to transfer the software package from the local storage to the board.		
Impact: Telecom: No impact on telecom service. OAM: No impact on OAM service.		
Remedial action: No action is required.		

Table 22-1484 IK4901022 - RRH MODULE DOWNLOAD FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4901022 (2782) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RRH	Severity: variable Specific problem: RRH MODULE DOWNLOAD FAILURE (1335) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates the failure to transfer the software package from the local storage to the board.		
Impact: Telecom: No impact on telecom service. OAM: No impact on OAM service.		
Remedial action: No action is required.		

Table 22-1485 IK4901023 - TRDU MODULE DOWNLOAD FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4901023 (2783) Type: equipmentAlarm (3) Package: lte Raised on class: lte.TRDU	Severity: variable Specific problem: TRDU MODULE DOWNLOAD FAILURE (1336) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates the failure to transfer the software package from the local storage to the board.		
Impact: Telecom: No impact on telecom service. OAM: No impact on OAM service.		
Remedial action: No action is required.		

Table 22-1486 IK4901024 - SOFTWARE AND DATABASE FALLBACK

Alarm	Attributes	Applicable major NE releases
Name: IK4901024 (2784) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: variable Specific problem: SOFTWARE AND DATABASE FALLBACK (1337) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates that the eNodeB has detected a critical failure during eNodeB initialization while booting from the active software partition. The eNodeB has switched over to the passive software partition and booted up on the previous software version with the previous configuration data.		
Impact: Telecom: Services may not be operating properly until the eNodeB is restored to the proper software version and configuration data. OAM: No impact on OAM service.		
Remedial action: No action is required.		

Table 22-1487 IK4901025 - SOFTWARE FALLBACK

Alarm	Attributes	Applicable major NE releases
Name: IK4901025 (2785) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: variable Specific problem: SOFTWARE FALLBACK (1338) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates that the eNodeB has detected a critical failure during eNodeB initialization while booting from the active software partition. The eNodeB has switched over to the passive software partition and booted up on the previous software version with the previous configuration data.		
Impact: Telecom: Services may not be operating properly until the eNodeB is restored to the proper software version and configuration data. OAM: No impact on OAM service.		
Remedial action: No action is required.		

Table 22-1488 IK4901026 - NEW SW DOES NOT SUPPORT ALL ACTUAL HW MODULES

Alarm	Attributes	Applicable major NE releases
Name: IK4901026 (2786) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: variable Specific problem: NEW SW DOES NOT SUPPORT ALL ACTUAL HW MODULES (1339) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates that the new software package does not support all actual hardware modules installed in the eNodeB.		
Impact: Telecom: Modules not supported by the software may not offer telecom services. OAM: No impact on OAM service.		
Remedial action: No action is required.		

Table 22-1489 IK4901027 - BACK TO FACTORY MODE

Alarm	Attributes	Applicable major NE releases
Name: IK4901027 (3274) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: variable Specific problem: BACK TO FACTORY MODE (1340) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates that software meta data is deleted or corrupted.		
Impact: Telecom: No telecom service possible. OAM: No impact on OAM service except for remote board contact which is not possible.		
Remedial action: No action is required.		

Table 22-1490 IK4901028 - BACK TO MINIMUM DB

Alarm	Attributes	Applicable major NE releases
Name: IK4901028 (3275) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: variable Specific problem: BACK TO MINIMUM DB (1341) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates that the database contents have been reset to default.		
Impact: Telecom: No telecom service possible. OAM: No impact on OAM service.		
Remedial action: No action is required.		

Table 22-1491 IK4901029 - BACK TO FACTORY MODE AND MINIMUM DB

Alarm	Attributes	Applicable major NE releases
Name: IK4901029 (3276) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: variable Specific problem: BACK TO FACTORY MODE AND MINIMUM DB (1342) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates that software meta data is deleted or corrupted and that the database contents have been reset to default.		
Impact: Telecom: No telecom service possible. OAM: No impact on OAM service except for remote board contact which is not possible.		
Remedial action: No action is required.		

Table 22-1492 IK4901030 - BB MODULE DOWNLOAD FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4901030 (3277) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: variable Specific problem: BB MODULE DOWNLOAD FAILURE (1334) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This event indicates the failure to transfer the software package from the local storage to the board.		
Impact: Telecom: No impact on telecom service. OAM: No impact on OAM service.		
Remedial action: No action is required.		

Table 22-1493 IK4901031 - RESET CONTROLLER OAM LACK RESOURCE

Alarm	Attributes	Applicable major NE releases
Name: IK4901031 (3278) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: variable Specific problem: RESET CONTROLLER OAM LACK RESOURCE (1319) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This event indicates that the controller board is reset due to lack of internal resources.		
Impact: Telecom: All associated calls and cells are not operational during reset. On successful reset, all resources are functional. OAM: The OAM functionalities are not available during reset. On successful reset, the OAM functionalities are available.		
Remedial action: No action is required.		

Table 22-1494 IK4901032 - RESET CONTROLLER WATCHDOG

Alarm	Attributes	Applicable major NE releases
Name: IK4901032 (3279) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: variable Specific problem: RESET CONTROLLER WATCHDOG (1320) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This event indicates that the controller is reset due to hardware watchdog timeout.		
Impact: Telecom: All associated calls and cells are not operational during reset. On successful reset, all resources are functional. OAM: The OAM functionalities are not available during reset. On successful reset, the OAM functionalities are available.		
Remedial action: No action is required.		

Table 22-1495 IK4901033 - CONTROLLER OAM AUTO RESET

Alarm	Attributes	Applicable major NE releases
Name: IK4901033 (3280) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: variable Specific problem: CONTROLLER OAM AUTO RESET (1321) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This event indicates that the controller is auto-reset due to an internal problem.		
Impact: Telecom: All associated calls and cells are not operational during reset. On successful reset, all resources are functional. OAM: The OAM functionalities are not available during reset. On successful reset, the OAM functionalities are available.		
Remedial action: No action is required.		

Table 22-1496 IK4901034 - OAM AUTO RESET

Alarm	Attributes	Applicable major NE releases
Name: IK4901034 (3281) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: variable Specific problem: OAM AUTO RESET (1322) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This event indicates an OAM auto-reset due to an internal problem.		
Impact: Telecom: All associated calls and cells are not operational during reset. On successful reset, all resources are functional. OAM: The OAM functionalities are not available during reset. On successful reset, the OAM functionalities are available.		
Remedial action: No action is required.		

Table 22-1497 IK4901035 - UNEXPECTED CONTROL BOARD RESET

Alarm	Attributes	Applicable major NE releases
Name: IK4901035 (3854) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.CBCardSpecifics	Severity: variable Specific problem: UNEXPECTED CONTROL BOARD RESET (1343) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This event indicates that the control board suffered from an unexpected, unplanned reset.		
Remedial action: No action is required.		

Table 22-1498 IK4901036 - AUTO-REJECT TO PREVIOUS SW VERSION AFTER ACTIVATE

Alarm	Attributes	Applicable major NE releases
Name: IK4901036 (4121) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.MODULE	Severity: variable Specific problem: AUTO-REJECT TO PREVIOUS SW VERSION AFTER ACTIVATE (1329) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This event indicates that a reset was performed due to the activation of the previous software version caused by a corrupt file.		
Impact: Telecom: All associated calls and cells are not operational during reset. On successful reset, all resources are functional. OAM: The OAM functionalities are not available during reset. On successful reset, the OAM functionalities are available.		
Remedial action: No action is required.		

Table 22-1499 IK4901037 - BACK TO FACTORY MODE

Alarm	Attributes	Applicable major NE releases
Name: IK4901037 (4122) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.MODULE	Severity: variable Specific problem: BACK TO FACTORY MODE (1340) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This event indicates that software meta data is deleted or corrupted.		
Impact: Telecom: No telecom service possible. OAM: No impact on OAM service except for remote board contact which is not possible.		
Remedial action: No action is required.		

Table 22-1500 IK4901038 - BACK TO MINIMUM DB

Alarm	Attributes	Applicable major NE releases
Name: IK4901038 (4123) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.MODULE	Severity: variable Specific problem: BACK TO MINIMUM DB (1341) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This event indicates that the database contents have been reset to default.		
Impact: Telecom: No telecom service possible. OAM: No impact on OAM service.		
Remedial action: No action is required.		

Table 22-1501 IK4901039 - BACK TO FACTORY MODE AND MINIMUM DB

Alarm	Attributes	Applicable major NE releases
Name: IK4901039 (4124) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.MODULE	Severity: variable Specific problem: BACK TO FACTORY MODE AND MINIMUM DB (1342) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This event indicates that software meta data is deleted or corrupted and that the database contents have been reset to default.		
Impact: Telecom: No telecom service possible. OAM: No impact on OAM service except for remote board contact which is not possible.		
Remedial action: No action is required.		

Table 22-1502 IK4901040 - SCB DOWNLOAD FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4901040 (4125) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.MODULE	Severity: variable Specific problem: SCB DOWNLOAD FAILURE (1344) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This event indicates the failure of the FTP transfer of the software package from the code-server to the local RAM disk.		
Impact: Telecom: No impact on telecom service. OAM: No impact on OAM service.		
Remedial action: No action is required.		

Table 22-1503 IK4901041 - SCB MODULE DOWNLOAD FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4901041 (4126) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.MODULE	Severity: variable Specific problem: SCB MODULE DOWNLOAD FAILURE (1345) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This event indicates the failure to transfer the software package from the local storage to the board.		
Impact: Telecom: No impact on telecom service. OAM: No impact on OAM service.		
Remedial action: No action is required.		

Table 22-1504 IK4901042 - CONTROLLER OAM AUTO RESET

Alarm	Attributes	Applicable major NE releases
Name: IK4901042 (4127) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.MODULE	Severity: variable Specific problem: CONTROLLER OAM AUTO RESET (1321) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This event indicates that the controller is auto-reset due to an internal problem.		
Impact: Telecom: All associated calls and cells are not operational during reset. On successful reset, all resources are functional. OAM: The OAM functionalities are not available during reset. On successful reset, the OAM functionalities are available.		
Remedial action: No action is required.		

Table 22-1505 IK4901043 - CORRUPT FILE

Alarm	Attributes	Applicable major NE releases
Name: IK4901043 (4128) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.MODULE	Severity: variable Specific problem: CORRUPT FILE (1318) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This event indicates a checksum error.		
Impact: Software replacement failure.		
Remedial action: No action is required.		

Table 22-1506 IK4901044 - NEW SW DOES NOT SUPPORT ALL ACTUAL HW MODULES

Alarm	Attributes	Applicable major NE releases
Name: IK4901044 (4129) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.MODULE	Severity: variable Specific problem: NEW SW DOES NOT SUPPORT ALL ACTUAL HW MODULES (1339) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This event indicates that the new software package does not support all actual hardware modules installed in the eNodeB.		
Impact: Telecom: Modules not supported by the software may not offer telecom services. OAM: No impact on OAM service.		
Remedial action: No action is required.		

Table 22-1507 IK4901045 - OAM AUTO RESET

Alarm	Attributes	Applicable major NE releases
Name: IK4901045 (4130) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.MODULE	Severity: variable Specific problem: OAM AUTO RESET (1322) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This event indicates an OAM auto-reset due to an internal problem.		
Impact: Telecom: All associated calls and cells are not operational during reset. On successful reset, all resources are functional. OAM: The OAM functionalities are not available during reset. On successful reset, the OAM functionalities are available.		
Remedial action: No action is required.		

Table 22-1508 IK4901046 - POWER ON

Alarm	Attributes	Applicable major NE releases
Name: IK4901046 (4131) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.MODULE	Severity: variable Specific problem: POWER ON (1317) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This event indicates that the system is powered on successfully.		
Impact: All resources are available on successful power on of the system.		
Remedial action: No action is required.		

Table 22-1509 IK4901047 - RESET AFTER ACTIVATE WITH DB MIGRATION

Alarm	Attributes	Applicable major NE releases
Name: IK4901047 (4132) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: variable Specific problem: RESET AFTER ACTIVATE WITH DB MIGRATION (1324) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This event indicates the software activation and the successful data migration.		
Impact: Telecom: All associated calls and cells are not operational during reset. On successful reset, all resources are functional. OAM: The OAM functionalities are not available during reset. On successful reset, the OAM functionalities are available.		
Remedial action: No action is required.		

Table 22-1510 IK4901048 - RESET AFTER ACTIVATE WITHOUT DB MIGRATION

Alarm	Attributes	Applicable major NE releases
Name: IK4901048 (4133) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: variable Specific problem: RESET AFTER ACTIVATE WITHOUT DB MIGRATION (1325) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This event indicates the software activation without a data migration.		
Impact: Telecom: All associated calls and cells are not operational during reset. On successful reset, all resources are functional. OAM: The OAM functionalities are not available during reset. On successful reset, the OAM functionalities are available.		
Remedial action: No action is required.		

Table 22-1511 IK4901049 - RESET AFTER ACTIVATE WITH EMPTY DATABASE

Alarm	Attributes	Applicable major NE releases
Name: IK4901049 (4134) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: variable Specific problem: RESET AFTER ACTIVATE WITH EMPTY DATABASE (1326) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This event indicates the software activation. The database is not found.		
Impact: Telecom: All associated calls and cells are not operational during reset. On successful reset, all resources are functional. OAM: The OAM functionalities are not available during reset. On successful reset, the OAM functionalities are available.		
Remedial action: No action is required.		

Table 22-1512 IK4901050 - RESET AFTER REJECT

Alarm	Attributes	Applicable major NE releases
Name: IK4901050 (4135) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: variable Specific problem: RESET AFTER REJECT (1327) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This event indicates that the software is rejected. The module is reset to activate the previous software version.		
Impact: Telecom: All associated calls and cells are not operational during reset. On successful reset, all resources are functional. OAM: The OAM functionalities are not available during reset. On successful reset, the OAM functionalities are available.		
Remedial action: No action is required.		

Table 22-1513 IK4901051 - RESET AFTER REJECT WITH EMPTY DATABASE

Alarm	Attributes	Applicable major NE releases
Name: IK4901051 (4136) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: variable Specific problem: RESET AFTER REJECT WITH EMPTY DATABASE (1328) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This event indicates that the software is rejected. The module is reset to activate the previous software version. The database is not found.		
Impact: Telecom: All associated calls and cells are not operational during reset. On successful reset, all resources are functional. OAM: The OAM functionalities are not available during reset. On successful reset, the OAM functionalities are available.		
Remedial action: No action is required.		

Table 22-1514 IK4901052 - RESET CONTROLLER OAM LACK RESOURCE

Alarm	Attributes	Applicable major NE releases
Name: IK4901052 (4137) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: variable Specific problem: RESET CONTROLLER OAM LACK RESOURCE (1319) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This event indicates that the controller board is reset due to lack of internal resources.		
Impact: Telecom: All associated calls and cells are not operational during reset. On successful reset, all resources are functional. OAM: The OAM functionalities are not available during reset. On successful reset, the OAM functionalities are available.		
Remedial action: No action is required.		

Table 22-1515 IK4901053 - RESET CONTROLLER WATCHDOG

Alarm	Attributes	Applicable major NE releases
Name: IK4901053 (4138) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: variable Specific problem: RESET CONTROLLER WATCHDOG (1320) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This event indicates that the controller is reset due to hardware watchdog timeout.		
Impact: Telecom: All associated calls and cells are not operational during reset. On successful reset, all resources are functional. OAM: The OAM functionalities are not available during reset. On successful reset, the OAM functionalities are available.		
Remedial action: No action is required.		

Table 22-1516 IK4901054 - RESET OAM EXCEPTION

Alarm	Attributes	Applicable major NE releases
Name: IK4901054 (4139) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: variable Specific problem: RESET OAM EXCEPTION (1323) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This event indicates that the controller is reset due to an processor exception.		
Impact: Telecom: All associated calls and cells are not operational during reset. On successful reset, all resources are functional. OAM: The OAM functionalities are not available during reset. On successful reset, the OAM functionalities are available.		
Remedial action: No action is required.		

Table 22-1517 IK4901055 - SOFTWARE AND DATABASE FALLBACK

Alarm	Attributes	Applicable major NE releases
Name: IK4901055 (4140) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: variable Specific problem: SOFTWARE AND DATABASE FALLBACK (1337) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This event indicates that the eNodeB has detected a critical failure during eNodeB initialization while booting from the active software partition. The eNodeB has switched over to the passive software partition and booted up on the previous software version with the previous configuration data.		
Impact: Telecom: Services may not be operating properly until the eNodeB is restored to the proper software version and configuration data. OAM: No impact on OAM service.		
Remedial action: No action is required.		

Table 22-1518 IK4901056 - SOFTWARE FALLBACK

Alarm	Attributes	Applicable major NE releases
Name: IK4901056 (4141) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: variable Specific problem: SOFTWARE FALLBACK (1338) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This event indicates that the eNodeB has detected a critical failure during eNodeB initialization while booting from the active software partition. The eNodeB has switched over to the passive software partition and booted up on the previous software version with the previous configuration data.		
Impact: Telecom: Services may not be operating properly until the eNodeB is restored to the proper software version and configuration data. OAM: No impact on OAM service.		
Remedial action: No action is required.		

Table 22-1519 IK4901057 - SW UPDATED AUTOMATICALLY

Alarm	Attributes	Applicable major NE releases
Name: IK4901057 (4142) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: variable Specific problem: SW UPDATED AUTOMATICALLY (1331) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This event indicates the board was enabled with invalid software. OAM automatically updates the required software version.		
Impact: Telecom: All calls and cells associated with the module are not operational. On successful reset, all resources are functional. OAM: No impact on OAM service.		
Remedial action: No action is required.		

Table 22-1520 IK4901058 - UNEXPECTED CONTROL BOARD RESET

Alarm	Attributes	Applicable major NE releases
Name: IK4901058 (4143) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: variable Specific problem: UNEXPECTED CONTROL BOARD RESET (1343) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This event indicates that the control board suffered from an unexpected, unplanned reset.		
Remedial action: No action is required.		

Table 22-1521 IK4901059 - CORRUPT FILE

Alarm	Attributes	Applicable major NE releases
Name: IK4901059 (4144) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.RFME	Severity: variable Specific problem: CORRUPT FILE (1318) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This event indicates a checksum error.		
Impact: Software replacement failure.		
Remedial action: No action is required.		

Table 22-1522 IK4901060 - RFME MODULE DOWNLOAD FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4901060 (4145) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFME	Severity: variable Specific problem: RFME MODULE DOWNLOAD FAILURE (1346) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This event indicates the failure to transfer the software package from the local storage to the board.		
Impact: Telecom: No impact on telecom service. OAM: No impact on OAM service.		
Remedial action: No action is required.		

Table 22-1523 IK4901061 - UNSUPPORTED DELEGATION BY OTHER CONTROLLER

Alarm	Attributes	Applicable major NE releases
Name: IK4901061 (5384) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: warning Specific problem: UNSUPPORTED DELEGATION BY OTHER CONTROLLER (1347) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR14.1.L
Description: The primary controller for this RE (CDMA, WCDMA or GSM) has delegated a management function such as 'Software Management' to the LTE controller. This function is not supported by this LTE release.		
Remedial action: Reconfigure the RE on the primary controller (CDMA, WCDMA or GSM) to no longer delegate the unsupported management function to LTE.		

Table 22-1524 IK4904001 - UPDATE RI FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4904001 (2787) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: variable Specific problem: UPDATE RI FAILURE (1348) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates the failure to update the remote inventory information for the module.		
Impact: Telecom: No impact on telecom service. OAM: Incorrect information is stored in the remote inventory file or the remote inventory of the module.		
Remedial action: No action is required.		

Table 22-1525 IK4904002 - UPDATE RI FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4904002 (2788) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: variable Specific problem: UPDATE RI FAILURE (1348) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates the failure to update the remote inventory information for the module.		
Impact: Telecom: No impact on telecom service. OAM: Incorrect information is stored in the remote inventory file or the remote inventory of the module.		
Remedial action: No action is required.		

Table 22-1526 IK4904003 - UPDATE RI FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4904003 (2789) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBShelfSpecifics	Severity: variable Specific problem: UPDATE RI FAILURE (1348) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates the failure to update the remote inventory information for the module.		
Impact: Telecom: No impact on telecom service. OAM: Incorrect information is stored in the remote inventory file or the remote inventory of the module.		
Remedial action: No action is required.		

Table 22-1527 IK4904004 - UPDATE RI FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4904004 (2790) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RRH	Severity: variable Specific problem: UPDATE RI FAILURE (1348) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates the failure to update the remote inventory information for the module.		
Impact: Telecom: No impact on telecom service. OAM: Incorrect information is stored in the remote inventory file or the remote inventory of the module.		
Remedial action: No action is required.		

Table 22-1528 IK4904005 - UPDATE RI FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4904005 (2791) Type: equipmentAlarm (3) Package: lte Raised on class: lte.TRDU	Severity: variable Specific problem: UPDATE RI FAILURE (1348) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates the failure to update the remote inventory information for the module.		
Impact: Telecom: No impact on telecom service. OAM: Incorrect information is stored in the remote inventory file or the remote inventory of the module.		
Remedial action: No action is required.		

Table 22-1529 IK4904006 - CONFIGURATION TIMEOUT

Alarm	Attributes	Applicable major NE releases
Name: IK4904006 (2792) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BBCardSpecifics	Severity: variable Specific problem: CONFIGURATION TIMEOUT (1349) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates the time-out for a response from the module.		
Impact: Telecom: Impacts the telecom traffic, depending on the module state. OAM: No impact on OAM service.		
Remedial action: No action is required.		

Table 22-1530 IK4904007 - CONFIGURATION TIMEOUT

Alarm	Attributes	Applicable major NE releases
Name: IK4904007 (2793) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.CBCardSpecifics	Severity: variable Specific problem: CONFIGURATION TIMEOUT (1349) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates the time-out for a response from the module.		
Impact: Telecom: Impacts the telecom traffic, depending on the module state. OAM: No impact on OAM service.		
Remedial action: No action is required.		

Table 22-1531 IK4904008 - CONFIGURATION TIMEOUT

Alarm	Attributes	Applicable major NE releases
Name: IK4904008 (2794) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBShelfSpecifics	Severity: variable Specific problem: CONFIGURATION TIMEOUT (1349) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates the time-out for a response from the module.		
Impact: Telecom: Impacts the telecom traffic, depending on the module state. OAM: No impact on OAM service.		
Remedial action: No action is required.		

Table 22-1532 IK4904011 - CONFIGURATION TIMEOUT

Alarm	Attributes	Applicable major NE releases
Name: IK4904011 (2795) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.RRH	Severity: variable Specific problem: CONFIGURATION TIMEOUT (1349) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates the time-out for a response from the module.		
Impact: Telecom: Impacts the telecom traffic, depending on the module state. OAM: No impact on OAM service.		
Remedial action: No action is required.		

Table 22-1533 IK4904013 - CONFIGURATION TIMEOUT

Alarm	Attributes	Applicable major NE releases
Name: IK4904013 (2796) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.TRDU	Severity: variable Specific problem: CONFIGURATION TIMEOUT (1349) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates the time-out for a response from the module.		
Impact: Telecom: Impacts the telecom traffic, depending on the module state. OAM: No impact on OAM service.		
Remedial action: No action is required.		

Table 22-1534 IK4904016 - MODULE INSERTION

Alarm	Attributes	Applicable major NE releases
Name: IK4904016 (2797) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RRH	Severity: variable Specific problem: MODULE INSERTION (1350) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates a module insertion.		
Impact: No impact on eNodeB.		
Remedial action: No action is required.		

Table 22-1535 IK4904017 - MODULE INSERTION

Alarm	Attributes	Applicable major NE releases
Name: IK4904017 (2798) Type: equipmentAlarm (3) Package: lte Raised on class: lte.TRDU	Severity: variable Specific problem: MODULE INSERTION (1350) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates a module insertion.		
Impact: No impact on eNodeB.		
Remedial action: No action is required.		

Table 22-1536 IK4904018 - MODULE INSERTION

Alarm	Attributes	Applicable major NE releases
Name: IK4904018 (2799) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: variable Specific problem: MODULE INSERTION (1350) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates a module insertion.		
Impact: No impact on eNodeB.		
Remedial action: No action is required.		

Table 22-1537 IK4904019 - SNAPSHOT FILE AVAILABLE

Alarm	Attributes	Applicable major NE releases
Name: IK4904019 (2800) Type: qualityOfServiceAlarm (82) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: SNAPSHOT FILE AVAILABLE (1351) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates the availability of new snapshot files.		
Impact: No impact on eNodeB.		
Remedial action: No action is required.		

Table 22-1538 IK4904020 - POSTMORTEM FILE AVAILABLE

Alarm	Attributes	Applicable major NE releases
Name: IK4904020 (2801) Type: qualityOfServiceAlarm (82) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: POSTMORTEM FILE AVAILABLE (1352) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates the availability of new post-mortem files.		
Impact: No impact on eNodeB.		
Remedial action: No action is required.		

Table 22-1539 IK4904021 - SNAPSHOT FILE FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4904021 (2802) Type: qualityOfServiceAlarm (82) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: SNAPSHOT FILE FAILURE (1353) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates that the transfer of the new snapshot files to the target server failed.		
Impact: No impact on eNodeB.		
Remedial action: No action is required.		

Table 22-1540 IK4904022 - POSTMORTEM FILE FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4904022 (2803) Type: qualityOfServiceAlarm (82) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: POSTMORTEM FILE FAILURE (1354) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates that the transfer of new post-mortem files to the target server failed.		
Impact: No impact on eNodeB.		
Remedial action: No action is required.		

Table 22-1541 IK4904023 - MODULE INSERTION

Alarm	Attributes	Applicable major NE releases
Name: IK4904023 (2804) Type: equipmentAlarm (3) Package: lte Raised on class: lte.AMR	Severity: variable Specific problem: MODULE INSERTION (1350) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates a module insertion.		
Impact: No impact on eNodeB.		
Remedial action: No action is required.		

Table 22-1542 IK4904024 - MODULE INSERTION

Alarm	Attributes	Applicable major NE releases
Name: IK4904024 (2805) Type: equipmentAlarm (3) Package: lte Raised on class: lte.TmaAldEntry	Severity: variable Specific problem: MODULE INSERTION (1350) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates a module insertion.		
Impact: No impact on eNodeB.		
Remedial action: No action is required.		

Table 22-1543 IK4904025 - MODULE INSERTION

Alarm	Attributes	Applicable major NE releases
Name: IK4904025 (2806) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RetAldEntry	Severity: variable Specific problem: MODULE INSERTION (1350) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates a module insertion.		
Impact: No impact on eNodeB.		
Remedial action: No action is required.		

Table 22-1544 IK4904026 - CONFIGURATION TIMEOUT

Alarm	Attributes	Applicable major NE releases
Name: IK4904026 (2807) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.AMR	Severity: variable Specific problem: CONFIGURATION TIMEOUT (1349) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates the time-out for a response from the module.		
Impact: Telecom: Impacts the telecom traffic, depending on the module state. OAM: No impact on OAM service.		
Remedial action: No action is required.		

Table 22-1545 IK4904027 - CONFIGURATION TIMEOUT

Alarm	Attributes	Applicable major NE releases
Name: IK4904027 (2808) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.TmaAldEntry	Severity: variable Specific problem: CONFIGURATION TIMEOUT (1349) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates the time-out for a response from the module.		
Impact: Telecom: Impacts the telecom traffic, depending on the module state. OAM: No impact on OAM service.		
Remedial action: No action is required.		

Table 22-1546 IK4904028 - CONFIGURATION TIMEOUT

Alarm	Attributes	Applicable major NE releases
Name: IK4904028 (2809) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.RetAldEntry	Severity: variable Specific problem: CONFIGURATION TIMEOUT (1349) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates the time-out for a response from the module.		
Impact: Telecom: Impacts the telecom traffic, depending on the module state. OAM: No impact on OAM service.		
Remedial action: No action is required.		

Table 22-1547 IK4904029 - PROCESSING UNIT OCCUPANCY OVERLOAD

Alarm	Attributes	Applicable major NE releases
Name: IK4904029 (3282) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.CBCardSpecifics	Severity: variable Specific problem: PROCESSING UNIT OCCUPANCY OVERLOAD (1355) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates that the processing unit is overloaded.		
Impact: Telecom: No impact on telecom service. OAM: No impact on OAM service.		
Remedial action: No action is required.		

Table 22-1548 IK4904030 - RAM USAGE OVERLOAD

Alarm	Attributes	Applicable major NE releases
Name: IK4904030 (3283) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.CBCardSpecifics	Severity: variable Specific problem: RAM USAGE OVERLOAD (1356) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates that the RAM exhausted.		
Impact: Telecom: No impact on telecom service. OAM: No impact on OAM service.		
Remedial action: No action is required.		

Table 22-1549 IK4904031 - PROCESSING UNIT OCCUPANCY OVERLOAD

Alarm	Attributes	Applicable major NE releases
Name: IK4904031 (3284) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BBCardSpecifics	Severity: variable Specific problem: PROCESSING UNIT OCCUPANCY OVERLOAD (1355) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates that the processing unit is overloaded.		
Impact: Telecom: No impact on telecom service. OAM: No impact on OAM service.		
Remedial action: No action is required.		

Table 22-1550 IK4904032 - RAM USAGE OVERLOAD

Alarm	Attributes	Applicable major NE releases
Name: IK4904032 (3285) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BBCardSpecifics	Severity: variable Specific problem: RAM USAGE OVERLOAD (1356) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates that the RAM exhausted.		
Impact: Telecom: No impact on telecom service. OAM: No impact on OAM service.		
Remedial action: No action is required.		

Table 22-1551 IK4904033 - ALU DEBUG SESSION ON-DEMAND SNAPSHOT FILE AVAILABLE

Alarm	Attributes	Applicable major NE releases
Name: IK4904033 (3286) Type: qualityOfServiceAlarm (82) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: ALU DEBUG SESSION ON-DEMAND SNAPSHOT FILE AVAILABLE (1357) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates the availability of new on-demand snapshot files.		
Impact: No impact on eNodeB.		
Remedial action: No action is required.		

Table 22-1552 IK4904034 - ALU DEBUG SESSION ON-DEMAND SNAPSHOT UPLOAD FAILED

Alarm	Attributes	Applicable major NE releases
Name: IK4904034 (3287) Type: qualityOfServiceAlarm (82) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: ALU DEBUG SESSION ON-DEMAND SNAPSHOT UPLOAD FAILED (1358) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates that the transfer of the new on-demand snapshot files to the target server failed.		
Impact: No impact on eNodeB.		
Remedial action: No action is required.		

Table 22-1553 IK4904035 - ALU DEBUG SESSION ON-DEMAND SNAPSHOT INTERNAL FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4904035 (3674) Type: qualityOfServiceAlarm (82) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: ALU DEBUG SESSION ON-DEMAND SNAPSHOT INTERNAL FAILURE (1359) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates that the on-demand snapshot request failed due to eNodeB internal error.		
Impact: No impact on eNodeB.		
Remedial action: No action is required.		

Table 22-1554 IK4904036 - ALU DEBUG SESSION ON-DEMAND SNAPSHOT INTERNAL FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4904036 (3855) Type: qualityOfServiceAlarm (82) Package: lte Raised on class: lte.CBCardSpecifics	Severity: variable Specific problem: ALU DEBUG SESSION ON-DEMAND SNAPSHOT INTERNAL FAILURE (1359) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This event indicates that the on-demand snapshot request failed due to eNodeB internal error.		
Impact: No impact to eNodeB.		
Remedial action: No action is required.		

Table 22-1555 IK4904037 - ALU DEBUG SESSION ON-DEMAND SNAPSHOT INTERNAL FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4904037 (3856) Type: qualityOfServiceAlarm (82) Package: lte Raised on class: lte.BBCardSpecifics	Severity: variable Specific problem: ALU DEBUG SESSION ON-DEMAND SNAPSHOT INTERNAL FAILURE (1359) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This event indicates that the on-demand snapshot request failed due to eNodeB internal error.		
Impact: No impact to eNodeB.		
Remedial action: No action is required.		

Table 22-1556 IK4904038 - ALU DEBUG SESSION ON-DEMAND SNAPSHOT INTERNAL FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4904038 (3857) Type: qualityOfServiceAlarm (82) Package: lte Raised on class: lte.TRDU	Severity: variable Specific problem: ALU DEBUG SESSION ON-DEMAND SNAPSHOT INTERNAL FAILURE (1359) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This event indicates that the on-demand snapshot request failed due to eNodeB internal error.		
Impact: No impact to eNodeB.		
Remedial action: No action is required.		

Table 22-1557 IK4904039 - ALU DEBUG SESSION ON-DEMAND SNAPSHOT INTERNAL FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4904039 (3858) Type: qualityOfServiceAlarm (82) Package: lte Raised on class: lte.RRH	Severity: variable Specific problem: ALU DEBUG SESSION ON-DEMAND SNAPSHOT INTERNAL FAILURE (1359) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This event indicates that the on-demand snapshot request failed due to eNodeB internal error.		
Impact: No impact to eNodeB.		
Remedial action: No action is required.		

Table 22-1558 IK4904040 - ALU DEBUG SESSION ON-DEMAND SNAPSHOT INTERNAL FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4904040 (4146) Type: qualityOfServiceAlarm (82) Package: lte Raised on class: lte.MODULE	Severity: variable Specific problem: ALU DEBUG SESSION ON-DEMAND SNAPSHOT INTERNAL FAILURE (1359) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This event indicates that the on-demand snapshot request failed due to eNodeB internal error.		
Impact: No impact to eNodeB.		
Remedial action: No action is required.		

Table 22-1559 IK4904041 - CONFIGURATION TIMEOUT

Alarm	Attributes	Applicable major NE releases
Name: IK4904041 (4147) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.MODULE	Severity: variable Specific problem: CONFIGURATION TIMEOUT (1349) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This event indicates the time-out for a response from the module.		
Impact: Telecom: Impacts the telecom traffic, depending on the module state. OAM: No impact on OAM service.		
Remedial action: No action is required.		

Table 22-1560 IK4904042 - PROCESSING UNIT OCCUPANCY OVERLOAD

Alarm	Attributes	Applicable major NE releases
Name: IK4904042 (4148) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.MODULE	Severity: variable Specific problem: PROCESSING UNIT OCCUPANCY OVERLOAD (1355) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This events indicates that the processing unit is overloaded.		
Impact: Telecom: No impact on telecom service. OAM: No impact on OAM service.		
Remedial action: No action is required.		

Table 22-1561 IK4904043 - RAM USAGE OVERLOAD

Alarm	Attributes	Applicable major NE releases
Name: IK4904043 (4149) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.MODULE	Severity: variable Specific problem: RAM USAGE OVERLOAD (1356) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This events indicates that the RAM exhausted.		
Impact: Telecom: No impact on telecom service. OAM: No impact on OAM service.		
Remedial action: No action is required.		

Table 22-1562 IK4904044 - UPDATE RI FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4904044 (4150) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.MODULE	Severity: variable Specific problem: UPDATE RI FAILURE (1348) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This event indicates the failure to update the remote inventory information for the module.		
Impact: Telecom: No impact on telecom service. OAM: Incorrect information is stored in the remote inventory file or the remote inventory of the module.		
Remedial action: No action is required.		

Table 22-1563 IK4904045 - CONFIGURATION TIMEOUT

Alarm	Attributes	Applicable major NE releases
Name: IK4904045 (4151) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.RFME	Severity: variable Specific problem: CONFIGURATION TIMEOUT (1349) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This event indicates the time-out for a response from the module.		
Impact: Telecom: Impacts the telecom traffic, depending on the module state. OAM: No impact on OAM service.		
Remedial action: No action is required.		

Table 22-1564 IK4904046 - ALU DEBUG SESSION ON-DEMAND SNAPSHOT INTERNAL FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4904046 (4152) Type: qualityOfServiceAlarm (82) Package: lte Raised on class: lte.RFME	Severity: variable Specific problem: ALU DEBUG SESSION ON-DEMAND SNAPSHOT INTERNAL FAILURE (1359) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This event indicates that the on-demand snapshot request failed due to eNodeB internal error.		
Impact: No impact to eNodeB.		
Remedial action: No action is required.		

Table 22-1565 IK4904047 - UPDATE RI FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4904047 (4785) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFME	Severity: variable Specific problem: UPDATE RI FAILURE (1348) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This event indicates a failure to update the remote inventory information for the module.		
Impact: Incorrect information is stored in the remote inventory file or the remote inventory of the module.		
Remedial action: No action is required.		

Table 22-1566 IK4904048 - UPDATE RI FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4904048 (4786) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: UPDATE RI FAILURE (1348) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This event indicates the failure to update the remote inventory information for the module.		
Impact: Incorrect information is stored in the remote inventory file or the remote inventory of the module.		
Remedial action: No action is required.		

Table 22-1567 IK4905001 - RESET ON OPERATOR REQUEST

Alarm	Attributes	Applicable major NE releases
Name: IK4905001 (2810) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: variable Specific problem: RESET ON OPERATOR REQUEST (1360) Implicitly cleared: true Default probable cause: operatorCommand (905)	<ul style="list-style-type: none"> • LT6.0
Description: This event indicates the reset command by the operator.		
Impact: Telecom: All associated calls are lost. OAM: No impact on OAM service.		
Remedial action: No action is required.		

Table 22-1568 IK4905002 - RESET OAM ON OPERATOR REQUEST

Alarm	Attributes	Applicable major NE releases
Name: IK4905002 (2811) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: variable Specific problem: RESET OAM ON OPERATOR REQUEST (1361) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates the reset command by the operator.		
Impact: Telecom: All associated calls are lost. OAM: No impact on OAM service.		
Remedial action: No action is required.		

Table 22-1569 IK4905003 - RESET CONTROLLER OAM ON OPERATOR REQUEST

Alarm	Attributes	Applicable major NE releases
Name: IK4905003 (2812) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: RESET CONTROLLER OAM ON OPERATOR REQUEST (1362) Implicitly cleared: true Default probable cause: operatorCommand (905)	<ul style="list-style-type: none"> LT6.0
Description: This event indicates the reset command by the operator.		
Impact: Telecom: All associated calls are lost. OAM: No impact on OAM service.		
Remedial action: No action is required.		

Table 22-1570 IK4905004 - CONTROLLER OAM RESET AFTER RESTORE

Alarm	Attributes	Applicable major NE releases
Name: IK4905004 (2813) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: CONTROLLER OAM RESET AFTER RESTORE (1363) Implicitly cleared: true Default probable cause: operatorCommand (905)	<ul style="list-style-type: none"> LT6.0
Description: This event indicates that the controller board is reset to restore the configuration data.		
Impact: Telecom: All associated calls are lost. OAM: No impact on OAM service.		
Remedial action: No action is required.		

Table 22-1571 IK4905005 - CONTROLLER OAM RESET AFTER RESTORE WITH EMPTY DATABASE

Alarm	Attributes	Applicable major NE releases
Name: IK4905005 (2814) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: CONTROLLER OAM RESET AFTER RESTORE WITH EMPTY DATABASE (1364) Implicitly cleared: true Default probable cause: corruptData (910)	<ul style="list-style-type: none"> LT6.0
Description: This event indicates an OAM auto-reset with an empty database as the database was not restored properly.		
Impact: Telecom: All associated calls are lost. OAM: No impact on OAM service.		
Remedial action: Restore a valid eNodeB configuration.		

Table 22-1572 IK4905006 - LRA RESET

Alarm	Attributes	Applicable major NE releases
Name: IK4905006 (2815) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: variable Specific problem: LRA RESET (1365) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates the reset due to a local recovery action.		
Impact: Telecom: All associated calls and cells are not operational during reset. On successful reset, all resources are functional. OAM: The OAM functionalities are not available during reset. On successful reset, the OAM functionalities are available.		
Remedial action: No action is required.		

Table 22-1573 IK4905007 - LRA RESET

Alarm	Attributes	Applicable major NE releases
Name: IK4905007 (2816) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: variable Specific problem: LRA RESET (1365) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates the reset due to a local recovery action.		
Impact: Telecom: All associated calls and cells are not operational during reset. On successful reset, all resources are functional. OAM: The OAM functionalities are not available during reset. On successful reset, the OAM functionalities are available.		
Remedial action: No action is required.		

Table 22-1574 IK4905008 - LRA RESET

Alarm	Attributes	Applicable major NE releases
Name: IK4905008 (2817) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBShelfSpecifics	Severity: variable Specific problem: LRA RESET (1365) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates the reset due to a local recovery action.		
Impact: Telecom: All associated calls and cells are not operational during reset. On successful reset, all resources are functional. OAM: The OAM functionalities are not available during reset. On successful reset, the OAM functionalities are available.		
Remedial action: No action is required.		

Table 22-1575 IK4905009 - LRA RESET

Alarm	Attributes	Applicable major NE releases
Name: IK4905009 (2818) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RRH	Severity: variable Specific problem: LRA RESET (1365) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates the reset due to a local recovery action.		
Impact: Telecom: All associated calls and cells are not operational during reset. On successful reset, all resources are functional. OAM: The OAM functionalities are not available during reset. On successful reset, the OAM functionalities are available.		
Remedial action: No action is required.		

Table 22-1576 IK4905010 - LRA RESET

Alarm	Attributes	Applicable major NE releases
Name: IK4905010 (2819) Type: equipmentAlarm (3) Package: lte Raised on class: lte.TRDU	Severity: variable Specific problem: LRA RESET (1365) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates the reset due to a local recovery action.		
Impact: Telecom: All associated calls and cells are not operational during reset. On successful reset, all resources are functional. OAM: The OAM functionalities are not available during reset. On successful reset, the OAM functionalities are available.		
Remedial action: No action is required.		

Table 22-1577 IK4905011 - MODULE RESET

Alarm	Attributes	Applicable major NE releases
Name: IK4905011 (2820) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: variable Specific problem: MODULE RESET (1366) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates the reset command by the operator.		
Impact: Telecom: All associated calls and cells are not operational during reset. On successful reset, all resources are functional. OAM: The OAM functionalities are not available during reset. On successful reset, the OAM functionalities are available.		
Remedial action: No action is required.		

Table 22-1578 IK4905012 - MODULE RESET

Alarm	Attributes	Applicable major NE releases
Name: IK4905012 (2821) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: variable Specific problem: MODULE RESET (1366) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates the reset command by the operator.		
Impact: Telecom: All associated calls and cells are not operational during reset. On successful reset, all resources are functional. OAM: The OAM functionalities are not available during reset. On successful reset, the OAM functionalities are available.		
Remedial action: No action is required.		

Table 22-1579 IK4905013 - MODULE RESET

Alarm	Attributes	Applicable major NE releases
Name: IK4905013 (2822) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBSelfSpecifics	Severity: variable Specific problem: MODULE RESET (1366) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates the reset command by the operator.		
Impact: Telecom: All associated calls and cells are not operational during reset. On successful reset, all resources are functional. OAM: The OAM functionalities are not available during reset. On successful reset, the OAM functionalities are available.		
Remedial action: No action is required.		

Table 22-1580 IK4905014 - MODULE RESET

Alarm	Attributes	Applicable major NE releases
Name: IK4905014 (2823) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RRH	Severity: variable Specific problem: MODULE RESET (1366) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates the reset command by the operator.		
Impact: Telecom: All associated calls and cells are not operational during reset. On successful reset, all resources are functional. OAM: The OAM functionalities are not available during reset. On successful reset, the OAM functionalities are available.		
Remedial action: No action is required.		

Table 22-1581 IK4905015 - MODULE RESET

Alarm	Attributes	Applicable major NE releases
Name: IK4905015 (2824) Type: equipmentAlarm (3) Package: lte Raised on class: lte.TRDU	Severity: variable Specific problem: MODULE RESET (1366) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates the reset command by the operator.		
Impact: Telecom: All associated calls and cells are not operational during reset. On successful reset, all resources are functional. OAM: The OAM functionalities are not available during reset. On successful reset, the OAM functionalities are available.		
Remedial action: No action is required.		

Table 22-1582 IK4905016 - MODULE RESET

Alarm	Attributes	Applicable major NE releases
Name: IK4905016 (2825) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: MODULE RESET (1366) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates the reset command by the operator.		
Impact: Telecom: All associated calls and cells are not operational during reset. On successful reset, all resources are functional. OAM: The OAM functionalities are not available during reset. On successful reset, the OAM functionalities are available.		
Remedial action: No action is required.		

Table 22-1583 IK4905020 - DATABASE RECONFIGURATION RESET

Alarm	Attributes	Applicable major NE releases
Name: IK4905020 (2828) Type: communicationsAlarm (4) Package: lte Raised on class: lte.CBCardSpecifics	Severity: variable Specific problem: DATABASE RECONFIGURATION RESET (1368) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates that a reset was performed due to a database reconfiguration.		
Impact: Telecom: All associated calls and cells are not operational during reset. On successful reset, all resources are functional. OAM: The OAM functionalities are not available during reset. On successful reset, the OAM functionalities are available.		
Remedial action: No action is required.		

Table 22-1584 IK4905021 - MAX NUMBER OF DYNAMIC CARDINALITY REACHED

Alarm	Attributes	Applicable major NE releases
Name: IK4905021 (2829) Type: communicationsAlarm (4) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: MAX NUMBER OF DYNAMIC CARDINALITY REACHED (1369) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LT6.0
Description: This event indicates that the number of X2Access objects being in an invisible state has reached the limit and the ANR function triggers the creation of a further dynamic X2Access/X2TransportLayerAccess. The new invisible X2Access/X2TransportLayerAccess is not created.		
Impact: No impact on eNodeB.		
Remedial action: Remove X2 objects which are not needed from the predefined configuration data.		

Table 22-1585 IK4905022 - FALLBACK AFTER RECONFIGURATION

Alarm	Attributes	Applicable major NE releases
Name: IK4905022 (2830) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: FALLBACK AFTER RECONFIGURATION (1370) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates that the eNodeB did an autonomous fallback to the previous configuration because the contact to the network management system could not be restored.		
Impact: No impact on eNodeB.		
Remedial action: No action is required.		

Table 22-1586 IK4905023 - MAX NUMBER OF CARDINALITY REACHED

Alarm	Attributes	Applicable major NE releases
Name: IK4905023 (3288) Type: communicationsAlarm (4) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: MAX NUMBER OF CARDINALITY REACHED (1367) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates that the maximum number of object cardinality is reached. The automatic creation of new objects is not possible anymore.		
Impact: No impact on eNodeB.		
Remedial action: No action is required.		

Table 22-1587 IK4905024 - RESET ON OPERATOR REQUEST

Alarm	Attributes	Applicable major NE releases
Name: IK4905024 (3289) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: RESET ON OPERATOR REQUEST (1360) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This event indicates the reset command by the operator.		
Impact: Telecom: All associated calls are lost. OAM: No impact on OAM service.		
Remedial action: No action is required.		

Table 22-1588 IK4905025 - RESET CONTROLLER OAM ON OPERATOR REQUEST

Alarm	Attributes	Applicable major NE releases
Name: IK4905025 (3290) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: variable Specific problem: RESET CONTROLLER OAM ON OPERATOR REQUEST (1362) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This event indicates the reset command by the operator.		
Impact: Telecom: All associated calls are lost. OAM: No impact on OAM service.		
Remedial action: No action is required.		

Table 22-1589 IK4905026 - CONTROLLER OAM RESET AFTER RESTORE

Alarm	Attributes	Applicable major NE releases
Name: IK4905026 (3291) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: variable Specific problem: CONTROLLER OAM RESET AFTER RESTORE (1363) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This event indicates that the controller board is reset to restore the configuration data.		
Impact: Telecom: All associated calls are lost. OAM: No impact on OAM service.		
Remedial action: No action is required.		

Table 22-1590 IK4905027 - CONTROLLER OAM RESET AFTER RESTORE WITH EMPTY DATABASE

Alarm	Attributes	Applicable major NE releases
Name: IK4905027 (3292) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: variable Specific problem: CONTROLLER OAM RESET AFTER RESTORE WITH EMPTY DATABASE (1364) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This event indicates an OAM auto-reset with an empty database as the database was not restored properly.		
Impact: Telecom: All associated calls are lost. OAM: No impact on OAM service.		
Remedial action: No action is required.		

Table 22-1591 IK4905028 - BBU POSITION CHANGE

Alarm	Attributes	Applicable major NE releases
Name: IK4905028 (3293) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: variable Specific problem: BBU POSITION CHANGE (1371) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates that the BBU position coordinates have changed. The GPS antenna of the eNodeB has been moved or the bbuPositionDeltaX/Y/Z coordinates have been reconfigured.		
Impact: No impact on eNodeB.		
Remedial action: No action is required.		

Table 22-1592 IK4905029 - BBU POSITION ERROR

Alarm	Attributes	Applicable major NE releases
Name: IK4905029 (3294) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: variable Specific problem: BBU POSITION ERROR (1372) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates that the BBU position coordinates might not be correct.		
Impact: Configured coordinates of the BBU might not be correct.		
Remedial action: No action is required.		

Table 22-1593 IK4905030 - MAIN ANTENNA POSITION CHANGE

Alarm	Attributes	Applicable major NE releases
Name: IK4905030 (3295) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: variable Specific problem: MAIN ANTENNA POSITION CHANGE (1373) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates that the main RF antenna position coordinates have changed. The GPS antenna of the eNodeB has been moved or the mainAntennaPositionDeltaX/Y/Z values have been reconfigured.		
Impact: No impact on eNodeB.		
Remedial action: No action is required.		

Table 22-1594 IK4905031 - MAIN ANTENNA POSITION ERROR

Alarm	Attributes	Applicable major NE releases
Name: IK4905031 (3296) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: variable Specific problem: MAIN ANTENNA POSITION ERROR (1374) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates that the main RF antenna position coordinates might not be correct.		
Impact: Location fix of UEs might be inaccurate.		
Remedial action: No action is required.		

Table 22-1595 IK4905034 - OAM CELL EVENT 3

Alarm	Attributes	Applicable major NE releases
Name: IK4905034 (3299) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Cell	Severity: variable Specific problem: OAM CELL EVENT 3 (1377) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. This event is for future use.		
Impact: Unknown.		
Remedial action: No action is required.		

Table 22-1596 IK4905035 - OAM CELL EVENT 4

Alarm	Attributes	Applicable major NE releases
Name: IK4905035 (3300) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Cell	Severity: variable Specific problem: OAM CELL EVENT 4 (1378) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. This event is for future use.		
Impact: Unknown.		
Remedial action: No action is required.		

Table 22-1597 IK4905036 - OAM CELL EVENT 5

Alarm	Attributes	Applicable major NE releases
Name: IK4905036 (3301) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Cell	Severity: variable Specific problem: OAM CELL EVENT 5 (1379) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: Provisioned for late churn-in. This event is for future use.		
Impact: Unknown.		
Remedial action: No action is required.		

Table 22-1598 IK4905037 - LRA RESET

Alarm	Attributes	Applicable major NE releases
Name: IK4905037 (3675) Type: equipmentAlarm (3) Package: lte Raised on class: lte.TmaAidEntry	Severity: variable Specific problem: LRA RESET (1365) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates the reset due to a local recovery action.		
Impact: Telecom: All associated calls and cells are not operational during reset. On successful reset, all resources are functional. OAM: The OAM functionalities are not available during reset. On successful reset, the OAM functionalities are available.		
Remedial action: No action is required.		

Table 22-1599 IK4905038 - LRA RESET

Alarm	Attributes	Applicable major NE releases
Name: IK4905038 (3676) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RetAidEntry	Severity: variable Specific problem: LRA RESET (1365) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates the reset due to a local recovery action.		
Impact: Telecom: All associated calls and cells are not operational during reset. On successful reset, all resources are functional. OAM: The OAM functionalities are not available during reset. On successful reset, the OAM functionalities are available.		
Remedial action: No action is required.		

Table 22-1600 IK4905039 - MODULE RESET

Alarm	Attributes	Applicable major NE releases
Name: IK4905039 (3677) Type: equipmentAlarm (3) Package: lte Raised on class: lte.TmaAidEntry	Severity: variable Specific problem: MODULE RESET (1366) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates the reset command by the operator.		
Impact: Telecom: All associated calls and cells are not operational during reset. On successful reset, all resources are functional. OAM: The OAM functionalities are not available during reset. On successful reset, the OAM functionalities are available.		
Remedial action: No action is required.		

Table 22-1601 IK4905040 - MODULE RESET

Alarm	Attributes	Applicable major NE releases
Name: IK4905040 (3678) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RetAidEntry	Severity: variable Specific problem: MODULE RESET (1366) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates the reset command by the operator.		
Impact: Telecom: All associated calls and cells are not operational during reset. On successful reset, all resources are functional. OAM: The OAM functionalities are not available during reset. On successful reset, the OAM functionalities are available.		
Remedial action: No action is required.		

Table 22-1602 IK4905041 - CELL BLOCK REQUEST RECEIVED AT SHARED RFM

Alarm	Attributes	Applicable major NE releases
Name: IK4905041 (3679) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: variable Specific problem: CELL BLOCK REQUEST RECEIVED AT SHARED RFM (1380) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates that the RFM is about to interrupt RF operation and so any cells fully supported on the RFM should be blocked. This cell block procedure is supported on shared RFMs (including ROCM) and is triggered by the other controller sharing the RFM.		
Impact: Telecom: The Cell Block procedure shuts down call processing on the cell(s) supported on this RFM. OAM: None.		
Remedial action: No action is required.		

Table 22-1603 IK4905043 - MODEM RESET DUE ON-LINE B-MODEM CLASS PARAMETER UPDATE

Alarm	Attributes	Applicable major NE releases
Name: IK4905043 (3859) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: MODEM RESET DUE ON-LINE B-MODEM CLASS PARAMETER UPDATE (1381) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This event indicates Modem has reset when operator updates the value of B-Modem Class parameter on-line.		
Impact: Service impact on Modem		
Remedial action: No action is required.		

Table 22-1604 IK4905044 - X2 LINK RESET DUE ON-LINE B-X2-INTERFACE CLASS PARAMETER UPDATE

Alarm	Attributes	Applicable major NE releases
Name: IK4905044 (3860) Type: communicationsAlarm (4) Package: lte Raised on class: lte.X2TransportLayerAccess	Severity: variable Specific problem: X2 LINK RESET DUE ON-LINE B-X2-INTERFACE CLASS PARAMETER UPDATE (1382) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This event indicates X2 link has reset when operator updates the value of B-X2-interface Class parameter on-line.		
Impact: Service impact on X2 link		
Remedial action: No action is required.		

Table 22-1605 IK4905045 - S1 LINK RESET DUE ON-LINE B-S1-INTERFACE CLASS PARAMETER UPDATE

Alarm	Attributes	Applicable major NE releases
Name: IK4905045 (3861) Type: communicationsAlarm (4) Package: lte Raised on class: lte.MmeTransportLayerAccess	Severity: variable Specific problem: S1 LINK RESET DUE ON-LINE B-S1-INTERFACE CLASS PARAMETER UPDATE (1383) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This event indicates S1 link has reset when operator updates the value of B-S1-interface Class parameter on-line.		
Impact: Service impact on S1 link		
Remedial action: No action is required.		

Table 22-1606 IK4905046 - CELL OUTAGE START

Alarm	Attributes	Applicable major NE releases
Name: IK4905046 (3862) Type: equipmentAlarm (3) Package: lte Raised on class: lte.Cell	Severity: variable Specific problem: CELL OUTAGE START (1384) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This event indicates that the cell has stopped to provide telecom services.		
Impact: Telecom: The cell is not operational. OAM: No impact		
Remedial action: No action is required.		

Table 22-1607 IK4905047 - CELL OUTAGE END

Alarm	Attributes	Applicable major NE releases
Name: IK4905047 (3863) Type: equipmentAlarm (3) Package: lte Raised on class: lte.Cell	Severity: variable Specific problem: CELL OUTAGE END (1385) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This event indicates that the cell has started to provide telecom services.		
Impact: Telecom: no impact. OAM: No impact.		
Remedial action: No action is required.		

Table 22-1608 IK4905048 - OAM CELL EVENT 6

Alarm	Attributes	Applicable major NE releases
Name: IK4905048 (3864) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Cell	Severity: variable Specific problem: OAM CELL EVENT 6 (1386) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: Provisioned for late churn-in. This event is for future use.		
Impact: Unknown.		
Remedial action: No action is required.		

Table 22-1609 IK4905049 - OAM CELL EVENT 7

Alarm	Attributes	Applicable major NE releases
Name: IK4905049 (3865) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Cell	Severity: variable Specific problem: OAM CELL EVENT 7 (1387) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: Provisioned for late churn-in. This event is for future use.		
Impact: Unknown.		
Remedial action: No action is required.		

Table 22-1610 IK4905050 - MODULE WARM RESET

Alarm	Attributes	Applicable major NE releases
Name: IK4905050 (3866) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: variable Specific problem: MODULE WARM RESET (1388) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This event indicates a modem warm reset of the physical cell resource.		
Impact: Telecom: The affected hardware and the assigned cell is not operational. OAM: No impact on OAM service.		
Remedial action: No action is required.		

Table 22-1611 IK4905051 - LRA WARM RESET

Alarm	Attributes	Applicable major NE releases
Name: IK4905051 (3867) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: variable Specific problem: LRA WARM RESET (1389) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This event indicates a local recovery action of the modem physical cell resource.		
Impact: Telecom: Associated cell and calls are not operational. OAM: No impact		
Remedial action: No action is required.		

Table 22-1612 IK4905052 - CMS INIT START

Alarm	Attributes	Applicable major NE releases
Name: IK4905052 (3868) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: CMS INIT START (1204) Implicitly cleared: true Default probable cause: operatorCommand (905)	<ul style="list-style-type: none"> • LR13.1 • LR13.3
Description: This event indicates that operator certificate enrollment scenario started.		
Impact: No impact on eNodeB.		
Remedial action: No action is required.		

Table 22-1613 IK4905053 - CMS INIT END

Alarm	Attributes	Applicable major NE releases
Name: IK4905053 (3869) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: CMS INIT END (1390) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This event indicates that operator enrollment scenario ended.		
Impact: No impact on eNodeB.		
Remedial action: No action is required.		

Table 22-1614 IK4905054 - KEY UPDATE START

Alarm	Attributes	Applicable major NE releases
Name: IK4905054 (3870) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: KEY UPDATE START (1391) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This event indicates that the key updated started.		
Impact: No impact on eNodeB.		
Remedial action: No action is required.		

Table 22-1615 IK4905055 - KEY UPDATE END

Alarm	Attributes	Applicable major NE releases
Name: IK4905055 (3871) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: KEY UPDATE END (1392) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This event indicates that the key updated ended.		
Impact: No impact on eNodeB.		
Remedial action: No action is required.		

Table 22-1616 IK4905056 - NEW CERTIFICATE AVAILABLE

Alarm	Attributes	Applicable major NE releases
Name: IK4905056 (3872) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: NEW CERTIFICATE AVAILABLE (1393) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3
Description: This event indicates that new certificate was downloaded on eNB.		
Impact: No impact on eNodeB.		
Remedial action: No action is required.		

Table 22-1617 IK4905057 - DNS RESOLUTION ERROR

Alarm	Attributes	Applicable major NE releases
Name: IK4905057 (3873) Type: securityServiceOrMechanismViolation (92) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: DNS RESOLUTION ERROR (1239) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3
Description: This event indicates that the searched item does not exist in DNS		
Impact: Depends on eNB configuration for certificate revocation (strictCrIPolicy parameter): either no impact (not strict..) or IPsec setup fails in which case there will be a separate alarm		
Remedial action: Check DNS configuration for HTTP URI-related records.		

Table 22-1618 IK4905058 - MF EVENT 1

Alarm	Attributes	Applicable major NE releases
Name: IK4905058 (4153) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.MODULE	Severity: variable Specific problem: MF EVENT 1 (645) Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> • LR13.1 • LR13.3
Description: Unspecified MF fault detected.		
Impact: Unknown.		
Remedial action: Unknown.		

Table 22-1619 IK4905059 - MF EVENT 2

Alarm	Attributes	Applicable major NE releases
Name: IK4905059 (4154) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.MODULE	Severity: variable Specific problem: MF EVENT 2 (646) Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> • LR13.1 • LR13.3
Description: Unspecified MF fault detected.		
Impact: Unknown.		
Remedial action: Unknown.		

Table 22-1620 IK4905060 - MF EVENT 3

Alarm	Attributes	Applicable major NE releases
Name: IK4905060 (4155) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.MODULE	Severity: variable Specific problem: MF EVENT 3 (647) Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> • LR13.1 • LR13.3
Description: Unspecified MF fault detected.		
Impact: Unknown.		
Remedial action: Unknown.		

Table 22-1621 IK4905061 - CONTROLLER OAM RESET AFTER RESTORE

Alarm	Attributes	Applicable major NE releases
Name: IK4905061 (4156) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: variable Specific problem: CONTROLLER OAM RESET AFTER RESTORE (1363) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This event indicates that the controller board is reset to restore the configuration data.		
Impact: Telecom: All associated calls are lost. OAM: No impact on OAM service.		
Remedial action: No action is required.		

Table 22-1622 IK4905062 - CONTROLLER OAM RESET AFTER RESTORE WITH EMPTY DATABASE

Alarm	Attributes	Applicable major NE releases
Name: IK4905062 (4157) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: variable Specific problem: CONTROLLER OAM RESET AFTER RESTORE WITH EMPTY DATABASE (1364) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This event indicates an OAM auto-reset with an empty database as the database was not restored properly.		
Impact: Telecom: All associated calls are lost. OAM: No impact on OAM service.		
Remedial action: No action is required.		

Table 22-1623 IK4905063 - DATABASE RECONFIGURATION RESET

Alarm	Attributes	Applicable major NE releases
Name: IK4905063 (4158) Type: communicationsAlarm (4) Package: Ite Raised on class: Ite.MODULE	Severity: variable Specific problem: DATABASE RECONFIGURATION RESET (1368) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This event indicates that a reset was performed due to a database reconfiguration.		
Impact: Telecom: All associated calls and cells are not operational during reset. On successful reset, all resources are functional. OAM: The OAM functionalities are not available during reset. On successful reset, the OAM functionalities are available.		
Remedial action: No action is required.		

Table 22-1624 IK4905064 - LRA RESET

Alarm	Attributes	Applicable major NE releases
Name: IK4905064 (4159) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.MODULE	Severity: variable Specific problem: LRA RESET (1365) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This event indicates the reset due to a local recovery action.		
Impact: Telecom: All associated calls and cells are not operational during reset. On successful reset, all resources are functional. OAM: The OAM functionalities are not available during reset. On successful reset, the OAM functionalities are available.		
Remedial action: No action is required.		

Table 22-1625 IK4905065 - LRA WARM RESET

Alarm	Attributes	Applicable major NE releases
Name: IK4905065 (4160) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.MODULE	Severity: variable Specific problem: LRA WARM RESET (1389) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This event indicates a local recovery action of the modem physical cell resource.		
Impact: Telecom: Associated cell and calls are not operational. OAM: No impact		
Remedial action: No action is required.		

Table 22-1626 IK4905066 - MAIN ANTENNA POSITION CHANGE

Alarm	Attributes	Applicable major NE releases
Name: IK4905066 (4161) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.MODULE	Severity: variable Specific problem: MAIN ANTENNA POSITION CHANGE (1373) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This event indicates that the main RFME antenna position coordinates have changed. The GPS antenna of the eNodeB has been moved or the mainAntennaPositionDeltaX/Y/Z values have been reconfigured.		
Impact: No impact on eNodeB.		
Remedial action: No action is required.		

Table 22-1627 IK4905067 - MAIN ANTENNA POSITION ERROR

Alarm	Attributes	Applicable major NE releases
Name: IK4905067 (4162) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.MODULE	Severity: variable Specific problem: MAIN ANTENNA POSITION ERROR (1374) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This event indicates that the main RFME antenna position coordinates might not be correct.		
Impact: Location fix of UEs might be inaccurate.		
Remedial action: No action is required.		

Table 22-1628 IK4905068 - MODULE RESET

Alarm	Attributes	Applicable major NE releases
Name: IK4905068 (4163) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.MODULE	Severity: variable Specific problem: MODULE RESET (1366) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This event indicates the reset command by the operator.		
Impact: Telecom: All associated calls and cells are not operational during reset. On successful reset, all resources are functional. OAM: The OAM functionalities are not available during reset. On successful reset, the OAM functionalities are available.		
Remedial action: No action is required.		

Table 22-1629 IK4905069 - MODULE WARM RESET

Alarm	Attributes	Applicable major NE releases
Name: IK4905069 (4164) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: variable Specific problem: MODULE WARM RESET (1388) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This event indicates a modem warm reset of the physical cell resource.		
Impact: Telecom: The affected hardware and the assigned cell is not operational. OAM: No impact on OAM service.		
Remedial action: No action is required.		

Table 22-1630 IK4905070 - RESET CONTROLLER OAM ON OPERATOR REQUEST

Alarm	Attributes	Applicable major NE releases
Name: IK4905070 (4165) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: variable Specific problem: RESET CONTROLLER OAM ON OPERATOR REQUEST (1362) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This event indicates the reset command by the operator.		
Impact: Telecom: All associated calls are lost. OAM: No impact on OAM service.		
Remedial action: No action is required.		

Table 22-1631 IK4905071 - RESET OAM ON OPERATOR REQUEST

Alarm	Attributes	Applicable major NE releases
Name: IK4905071 (4166) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: variable Specific problem: RESET OAM ON OPERATOR REQUEST (1361) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This event indicates the reset command by the operator.		
Impact: Telecom: All associated calls are lost. OAM: No impact on OAM service.		
Remedial action: No action is required.		

Table 22-1632 IK4905072 - RESET ON OPERATOR REQUEST

Alarm	Attributes	Applicable major NE releases
Name: IK4905072 (4167) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: variable Specific problem: RESET ON OPERATOR REQUEST (1360) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This event indicates the reset command by the operator.		
Impact: Telecom: All associated calls are lost. OAM: No impact on OAM service.		
Remedial action: No action is required.		

Table 22-1633 IK4905073 - LRA RESET

Alarm	Attributes	Applicable major NE releases
Name: IK4905073 (4168) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFME	Severity: variable Specific problem: LRA RESET (1365) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This event indicates the reset due to a local recovery action.		
Impact: Telecom: All associated calls and cells are not operational during reset. On successful reset, all resources are functional. OAM: The OAM functionalities are not available during reset. On successful reset, the OAM functionalities are available.		
Remedial action: No action is required.		

Table 22-1634 IK4905074 - MODULE RESET

Alarm	Attributes	Applicable major NE releases
Name: IK4905074 (4169) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFME	Severity: variable Specific problem: MODULE RESET (1366) Implicitly cleared: true Default probable cause: operatorCommand (905)	<ul style="list-style-type: none"> • LR13.1
Description: This event indicates the reset command by the operator.		
Impact: Telecom: All associated calls and cells are not operational during reset. On successful reset, all resources are functional. OAM: The OAM functionalities are not available during reset. On successful reset, the OAM functionalities are available.		
Remedial action: No action is required.		

Table 22-1635 IK4905077 - SIM HEALTH CHECK - TX PWR FAILED

Alarm	Attributes	Applicable major NE releases
Name: IK4905077 (4787) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Cell	Severity: critical Specific problem: SIM HEALTH CHECK - TX PWR FAILED (1238) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> • LR13.1 • LR13.3
Description: This alarm indicates that the System Integrity Monitor monitoring the health of the eNodeB has detected a degradation. Depending on the severity of the degradation, local recovery actions may be taken.		
Impact: Telecom service is impaired on the cell.		
Remedial action: If the alarm persists, the cell may need to be reinitialized.		

Table 22-1636 IK4905080 - LOGICAL RESET AND RF RECONF DUE TO ON-LINE B-CELL+RF(s) CLASS PARAMETER UPDATE

Alarm	Attributes	Applicable major NE releases
Name: IK4905080 (4788) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Cell	Severity: variable Specific problem: LOGICAL RESET AND RF RECONF DUE TO ON-LINE B-CELL+RF(s) CLASS PARAMETER UPDATE (1240) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> • LR13.1 • LR13.3
Description: This event indicates the LTE Cell is logically reset and the RF is reconfigured during parameter update procedure.		
Impact: The LTE Cell is reset and the RF is reconfigured, releasing all calls handled on this cell. The cell is then back into service with new values of the parameters.		
Remedial action: None.		

Table 22-1637 IK4905083 - AUTOMATED HANDOVER PARAMETER ADJUSTMENT COMPLETED

Alarm	Attributes	Applicable major NE releases
Name: IK4905083 (4789) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Cell	Severity: variable Specific problem: AUTOMATED HANDOVER PARAMETER ADJUSTMENT COMPLETED (1394) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This event indicates the SON process that automatically adjusts intra-frequency handover parameters has no further adjustments to make.		
Impact: The cell will not initiate further HO parameter adjustments unless HO performance degrades more than a configurable amount or the operator manually triggers the MRO feature to attempt further adjustments.		
Remedial action: No action is required.		

Table 22-1638 IK4905086 - BBU POSITION CHANGE

Alarm	Attributes	Applicable major NE releases
Name: IK4905086 (4790) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: variable Specific problem: BBU POSITION CHANGE (1371) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This event indicates that the BBU position coordinates have changed.		
Impact: No impact on eNodeB.		
Remedial action: No action is required.		

Table 22-1639 IK4905087 - BBU POSITION ERROR

Alarm	Attributes	Applicable major NE releases
Name: IK4905087 (4791) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: variable Specific problem: BBU POSITION ERROR (1372) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: This event indicates that the BBU position coordinates might not be correct.		
Impact: Configured coordinates of the BBU might not be correct.		
Remedial action: No action is required.		

Table 22-1640 IK4906001 - THREE UNSUCCESSFUL LOGIN ATTEMPTS

Alarm	Attributes	Applicable major NE releases
Name: IK4906001 (2831) Type: securityServiceOrMechanismViolation (92) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: THREE UNSUCCESSFUL LOGIN ATTEMPTS (1395) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates that the user failed to log into the eNodeB through SSH or CLI for three times in a span of 10 minutes.		
Impact: No impact on eNodeB.		
Remedial action: No action is required.		

Table 22-1641 IK4906002 - SUCCESSFUL LOGIN

Alarm	Attributes	Applicable major NE releases
Name: IK4906002 (2832) Type: securityServiceOrMechanismViolation (92) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: SUCCESSFUL LOGIN (1396) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates that the user successfully logged into the eNodeB through SSH or CLI.		
Impact: No impact on eNodeB.		
Remedial action: No action is required.		

Table 22-1642 IK4906003 - UNSUCCESSFUL LOGIN ATTEMPT

Alarm	Attributes	Applicable major NE releases
Name: IK4906003 (2833) Type: securityServiceOrMechanismViolation (92) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: UNSUCCESSFUL LOGIN ATTEMPT (1397) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates that the user failed to log into the eNodeB through SSH or CLI.		
Impact: No impact on eNodeB.		
Remedial action: No action is required.		

Table 22-1643 IK4906004 - SUCCESSFUL ROLE CHANGE

Alarm	Attributes	Applicable major NE releases
Name: IK4906004 (2834) Type: securityServiceOrMechanismViolation (92) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: SUCCESSFUL ROLE CHANGE (1398) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates that the user successfully changed roles on the eNodeB.		
Impact: No impact on eNodeB.		
Remedial action: No action is required.		

Table 22-1644 IK4906005 - UNSUCCESSFUL ROLE CHANGE

Alarm	Attributes	Applicable major NE releases
Name: IK4906005 (2835) Type: securityServiceOrMechanismViolation (92) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: UNSUCCESSFUL ROLE CHANGE (1399) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates the failure to change the user role on the eNodeB.		
Impact: No impact on eNodeB.		
Remedial action: No action is required.		

Table 22-1645 IK4906006 - ETHERNET CABLE CONNECTED

Alarm	Attributes	Applicable major NE releases
Name: IK4906006 (2836) Type: physicalViolation (91) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: ETHERNET CABLE CONNECTED (1400) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates that an Ethernet cable is connected to a port on the eNodeB.		
Impact: No impact on eNodeB.		
Remedial action: No action is required.		

Table 22-1646 IK4906007 - ETHERNET CABLE DISCONNECTED

Alarm	Attributes	Applicable major NE releases
Name: IK4906007 (2837) Type: physicalViolation (91) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: ETHERNET CABLE DISCONNECTED (1401) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates that an Ethernet cable is disconnected from a port on the eNodeB.		
Impact: No impact on eNodeB.		
Remedial action: No action is required.		

Table 22-1647 IK4906008 - SECURITY LOG ROLLED OVER

Alarm	Attributes	Applicable major NE releases
Name: IK4906008 (2838) Type: integrityViolation (85) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: SECURITY LOG ROLLED OVER (1402) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates that a security log is rolled over.		
Impact: No impact on eNodeB.		
Remedial action: No action is required.		

Table 22-1648 IK4906010 - AUTHORIZATION LOG READ FAILURE

Alarm	Attributes	Applicable major NE releases
Name: IK4906010 (3302) Type: integrityViolation (85) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: AUTHORIZATION LOG READ FAILURE (1404) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This event indicates a failure to read the SSH authorization log. The eNodeB is unable to log login attempts.		
Impact: No impact on eNodeB.		
Remedial action: No action is required.		

Table 22-1649 IK4906011 - NEW CERTIFICATE AVAILABLE

Alarm	Attributes	Applicable major NE releases
Name: IK4906011 (5385) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: NEW CERTIFICATE AVAILABLE (1393) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> • LR14.1.L
Description: This event indicates that new certificate was downloaded on eNB.		
Remedial action: No action is required.		

Table 22-1650 IK4906012 - DNS SERVICE UNAVAILABLE

Alarm	Attributes	Applicable major NE releases
Name: IK4906012 (5386) Type: securityServiceOrMechanismViolation (92) Package: lte Raised on class: lte.ENBEquipment	Severity: major Specific problem: DNS SERVICE UNAVAILABLE (1169) Implicitly cleared: true Default probable cause: communicationsSubsystemFailure (915)	<ul style="list-style-type: none"> LR14.1.L
Description: This alarm indicates that No DNS server at all is available for resolving a symbolic address to a numeric IP address		
Remedial action: Check the state of DNS server(s) and the state of the comm. network between eNB and DNS		

Table 22-1651 IncompleteConfiguration

Alarm	Attributes	Applicable major NE releases
Name: IncompleteConfiguration (1942) Type: operationalViolation (93) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: incompleteConfig (225)	<ul style="list-style-type: none"> LR13.1 LR13.3 LR14.1.L LT6.0
Description: The alarm is raised when a pre-provisioned NE has no objects configured beneath it.		
Raising condition: (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' EQUAL '\'))		
Clearing condition: (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' NOT EQUAL '\'))		
Remedial action: A configuration error has been made which must be corrected. The configuration of the pre-provisioned NE is incomplete. A work order was not associated with the pre-provisioned NE and as a consequence the attempt to auto-configure the NE failed.		

Table 22-1652 LagPortAddFailed

Alarm	Attributes	Applicable major NE releases
Name: LagPortAddFailed (422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: warning Implicitly cleared: true Default probable cause: linkDown (315)	<ul style="list-style-type: none"> LR13.1 LR13.3 LR14.1.L LT6.0
Description: The alarm is raised when the Lag Port Add function Fails.		
Raising condition: (('state' EQUAL 'Link Down') AND ('LAG ID' > '0'))		
Clearing condition: (('state' NOT EQUAL 'Link Down') OR ('LAG ID' EQUAL '0'))		
Remedial action: A configuration error has occurred which must be corrected. The link that was to be added to the LAG group may be of the wrong type (i.e. non ethernet) or the limit of the number of links supported in a LAG may have been reached.		

Table 22-1653 LicensedLimitExceeded

Alarm	Attributes	Applicable major NE releases
Name: LicensedLimitExceeded (127) Type: licensingAlarm (23) Package: security Raised on class: security.ProductLicense	Severity: critical Implicitly cleared: true Default probable cause: licensedLimitExceeded (106)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: The alarm is raised when the license items in the network exceeds 100 percent of the license capacity.		
Raising condition: ('Exceeded' EQUAL 'true')		
Clearing condition: ('Exceeded' NOT EQUAL 'true')		
Remedial action: Informational - The number of SAM licenses purchased and available on the SAM server is insufficient as compared to the number of NEs/MDA/Cells under management in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

Table 22-1654 LinkDown

Alarm	Attributes	Applicable major NE releases
Name: LinkDown (12) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: portLinkProblem (10)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: The alarm is raised when a port has no associated physical link or remote end point is operationally down.		
Raising condition: (('compositeEquipmentState' EQUAL 'Link Down') OR ('compositeEquipmentState' EQUAL 'Oper Down'))		
Clearing condition: (('compositeEquipmentState' NOT EQUAL 'Link Down') AND ('compositeEquipmentState' NOT EQUAL 'Oper Down'))		
Remedial action: Please make sure that port has physical link and remote end point is operationally up.		

Table 22-1655 LowTemperatureDetected

Alarm	Attributes	Applicable major NE releases
Name: LowTemperatureDetected (1127) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOvercooled (838)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: The alarm is raised when the chassis temperature falls below the minimum threshold.		
Raising condition: ('Low Temperature State' EQUAL 'Low')		
Clearing condition: ('Low Temperature State' NOT EQUAL 'Low')		
Remedial action: The NE has detected internal temperatures which are abnormally low. This may happen when the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 22-1656 LTECellAdminDown

Alarm	Attributes	Applicable major NE releases
Name: LTECellAdminDown (1471) Type: equipmentAlarm (3) Package: lte Raised on class: lte.Cell	Severity: variable Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: The alarm is raised when an LTE Cell Administrative State is down.		
Raising condition: (('administrativeState' NOT EQUAL 'Unlocked'))		
Clearing condition: (('administrativeState' EQUAL 'Unlocked'))		
Remedial action: Informational - no corrective action required.		

Table 22-1657 LTECellDown

Alarm	Attributes	Applicable major NE releases
Name: LTECellDown (1472) Type: equipmentAlarm (3) Package: lte Raised on class: lte.Cell	Severity: info Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: The alarm is raised when an LTE Cell is operationally down.		
Raising condition: (('operationalState' NOT EQUAL 'Enabled') AND ('administrativeState' EQUAL 'Unlocked'))		
Clearing condition: (('operationalState' EQUAL 'Enabled') OR ('administrativeState' NOT EQUAL 'Unlocked'))		
Remedial action: The Cell is inoperable. Additional attributes may indicate the nature and cause of the issue.		

Table 22-1658 LTECellNotAvailable

Alarm	Attributes	Applicable major NE releases
Name: LTECellNotAvailable (1473) Type: equipmentAlarm (3) Package: lte Raised on class: lte.Cell	Severity: info Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: The alarm is raised when an LTE Cell is not fully available.		
Raising condition: ('availabilityStatus' NOT EQUAL 'No Bits Set')		
Clearing condition: ('availabilityStatus' EQUAL 'No Bits Set')		
Remedial action: The Cell is not fully available. AvailabilityStatus value and Additional attributes may indicate the nature and cause of the issue.		

Table 22-1659 M3MmeAccessAdminDown

Alarm	Attributes	Applicable major NE releases
Name: M3MmeAccessAdminDown (4792) Type: equipmentAlarm (3) Package: lte Raised on class: lte.M3MmeAccess	Severity: variable Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: The alarm is raised when an LTE Cell Administrative State is down.		
Raising condition: (('Administrative State' NOT EQUAL 'Unlocked'))		
Clearing condition: (('Administrative State' EQUAL 'Unlocked'))		
Remedial action: Informational - no corrective action required.		

Table 22-1660 M3MmeAccessDown

Alarm	Attributes	Applicable major NE releases
Name: M3MmeAccessDown (4793) Type: equipmentAlarm (3) Package: lte Raised on class: lte.M3MmeAccess	Severity: info Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: The alarm is raised when an LTE Cell is operationally down.		
Raising condition: (('Operational State' NOT EQUAL 'Enabled') AND ('Administrative State' EQUAL 'Unlocked'))		
Clearing condition: (('Operational State' EQUAL 'Enabled') OR ('Administrative State' NOT EQUAL 'Unlocked'))		
Remedial action: The Equipment is inoperable. Additional attributes may indicate the nature and cause of the issue.		

Table 22-1661 M3MmeAccessNotAvailable

Alarm	Attributes	Applicable major NE releases
Name: M3MmeAccessNotAvailable (4794) Type: equipmentAlarm (3) Package: lte Raised on class: lte.M3MmeAccess	Severity: info Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L
Description: The alarm is raised when an LTE Cell is not fully available.		
Raising condition: ('Availability Status' NOT EQUAL 'No Bits Set')		
Clearing condition: ('Availability Status' EQUAL 'No Bits Set')		
Remedial action: The Equipment is not fully available. AvailabilityStatus value and Additional attributes may indicate the nature and cause of the issue.		

Table 22-1662 MmeAccessAdminDown

Alarm	Attributes	Applicable major NE releases
Name: MmeAccessAdminDown (1523) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MmeAccess	Severity: variable Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: The alarm is raised when an MME Access Administrative State is down.		
Raising condition: (('Administrative State' NOT EQUAL 'Unlocked'))		
Clearing condition: (('Administrative State' EQUAL 'Unlocked'))		
Remedial action: Informational - no corrective action required.		

Table 22-1663 MmeAccessDown

Alarm	Attributes	Applicable major NE releases
Name: MmeAccessDown (1524) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MmeAccess	Severity: info Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: The alarm is raised when an MME Access is operationally down.		
Raising condition: (('Operational State' NOT EQUAL 'Enabled') AND ('Administrative State' EQUAL 'Unlocked'))		
Clearing condition: (('Operational State' EQUAL 'Enabled') OR ('Administrative State' NOT EQUAL 'Unlocked'))		
Remedial action: The Equipment is inoperable. Additional attributes may indicate the nature and cause of the issue.		

Table 22-1664 MmeAccessNotAvailable

Alarm	Attributes	Applicable major NE releases
Name: MmeAccessNotAvailable (1525) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MmeAccess	Severity: info Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: The alarm is raised when an MME Access is not fully available.		
Raising condition: ('Availability Status' NOT EQUAL 'No Bits Set')		
Clearing condition: ('Availability Status' EQUAL 'No Bits Set')		
Remedial action: The Equipment is not fully available. AvailabilityStatus value and Additional attributes may indicate the nature and cause of the issue.		

Table 22-1665 MobileConnectorDown

Alarm	Attributes	Applicable major NE releases
Name: MobileConnectorDown (1064) Type: EpcAlarm (59) Package: Iteservice Raised on class: Iteservice.MobileServiceConnector	Severity: minor Implicitly cleared: true Default probable cause: EpcDown (519)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: The alarm is raised when the 5620 SAM no longer manages the EPS path instance of this mobile service site. As a result, the service must be regenerated.		
Raising condition: ('EPS Path' EQUAL '\')		
Clearing condition: ('EPS Path' NOT EQUAL '\')		
Remedial action: The underlying transport network has gone down resulting in the deletion of a mobile service connector (EPS path). Correct the issue with the transport network and regenerate the mobile service connector by clicking on the re-calculate button on the mobile service properties form.		

Table 22-1666 MonitoredLinkStatusError

Alarm	Attributes	Applicable major NE releases
Name: MonitoredLinkStatusError (4796) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.ENBEquipment	Severity: major Implicitly cleared: true Default probable cause: corruptData (910)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm is raised when the Network Element is reachable but the monitoring of link status fails. This alarm can be raised when several managers are managing a given Network Element which is not able to support multiple managers. The alarm can also be raised if the identifier of Network Element does not match the identifier in the Network Element managed in SAM. It is automatically cleared when the monitoring of the link status succeeds.		
Raising condition: ('OAM Link Status' EQUAL 'Down')		
Clearing condition: ('OAM Link Status' EQUAL 'Up')		
Remedial action: Network Element is reachable but the monitoring of link status fails		

Table 22-1667 NeManagementAndTrapManagementMismatch

Alarm	Attributes	Applicable major NE releases
Name: NeManagementAndTrapManagementMismatch (1079) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: neManagementChange (817)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This user-defined alarm is raised when the NE configuration is one of the following: - The Active Management IP is set to Out Of Band, and the Primary Route Preference is set to In Band. - The Active Management IP is set to In Band, and the Primary Route Preference is set to Out of Band.		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Raising condition: (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only')) AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only')) AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'Out Of Band'))))		
Clearing condition: (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only')) AND ('Primary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only')) AND ('Primary Route Preference' EQUAL 'Out Of Band'))))		
Remedial action: A configuration error has been made which must be corrected. The parameters described in the description for this alarm must match.		

(2 of 2)

Table 22-1668 NewSsh2ServerKeyDetected

Alarm	Attributes	Applicable major NE releases
Name: NewSsh2ServerKeyDetected (285) Type: communicationsAlarm (4) Package: security Raised on class: security.KnownHostKey	Severity: warning Implicitly cleared: true Default probable cause: ssh2ServerKeyMismatch (217)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: The alarm is raised when a 5620 SAM main server detects a new public SSH key.		
Raising condition: ('SSH2 Server Key Status' EQUAL 'Mismatch SSH2 Host Key')		
Clearing condition: ('SSH2 Server Key Status' EQUAL 'Active SSH2 Host Key')		
Remedial action: Informational - possible security breach. The SSH key of the router is different from the one known to the SAM server.		

Table 22-1669 NodeDatabaseFallbackDetected

Alarm	Attributes	Applicable major NE releases
Name: NodeDatabaseFallbackDetected (2923) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseFallback (1121)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: The alarm is raised when a configuration fallback is detected on the node and comes back up with a previous configuration. To correct this situation it might be necessary to reconfigure the node, or perform full resync its database with the 'fallback' configuration returned by the node.		
Raising condition: ('State' EQUAL 'Node Configuration Fallback')		
Clearing condition: ('State' EQUAL 'Managed')		
Remedial action: the NE has come back to a previous configuration. Perform a manual Full Resync or a Reconfigure of the NE		

Table 22-1670 NodeDatabaseMisalignmentDetected

Alarm	Attributes	Applicable major NE releases
Name: NodeDatabaseMisalignmentDetected (2924) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseMisalignment (1122)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: The alarm is raised when a configuration misalignment has been detected on the node and comes back up with an unexpected configuration (configuration change triggered by external tool) To correct this situation it might be necessary to reconfigure the node with the 5620 SAM's old configuration or accept the new configuration received from the node.		
Raising condition: ('State' EQUAL 'Node Configuration Misalignment')		
Clearing condition: ('State' EQUAL 'Managed')		
Remedial action: the NE configuration is misaligned. Perform a resync in order to update SAM configuration according to the NE.		

Table 22-1671 NodeRebooted

Alarm	Attributes	Applicable major NE releases
Name: NodeRebooted (32) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: false Default probable cause: nodeReboot (25)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: The alarm is raised when the 5620 SAM detects an NE reboot based on the latest NE sysUpTime value.		
Remedial action: Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 22-1672 NodeSuspended

Alarm	Attributes	Applicable major NE releases
Name: NodeSuspended (5123) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: NodeSuspend (2057)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: The alarm is raised when the 5620 SAM detects an NE moved to suspend state as per user request.		
Raising condition: ('SNMP Reachability' EQUAL 'Suspended')		
Clearing condition: ('SNMP Reachability' NOT EQUAL 'Suspended')		
Remedial action: This alarm is raised when user suspends the network element. The alarm will be cleared when the network element is managed back.		

Table 22-1673 OrphanNodeDetected

Alarm	Attributes	Applicable major NE releases
Name: OrphanNodeDetected (4866) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.AdvertisedNode	Severity: major Implicitly cleared: true Default probable cause: nodeNotManagedByAnyEms (1934)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: The alarm is raised when node is node managed by any EMS after n retries(threshold crossed) it is manually cleared by the operator or when the node is discovered.		
Raising condition: ('state' EQUAL 'orphan')		
Remedial action: The NE is not managed by any SAM.Add an discory rule in order to managed it.		

Table 22-1674 OutOfService

Alarm	Attributes	Applicable major NE releases
Name: OutOfService (4385) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: The alarm is raised when an Equipment is detected as Out Of Service. For an ENB: the supervision link is down and all S1c Links between the ENB and its MMEs are down.		
Remedial action: The NE is Out of Service. Investigate on Site.		

Table 22-1675 OverTemperatureDetected

Alarm	Attributes	Applicable major NE releases
Name: OverTemperatureDetected (388) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: The alarm is raised when the chassis temperature exceeds the maximum threshold value.		
Raising condition: ('Over Temperature State' EQUAL 'Over')		
Clearing condition: ('Over Temperature State' NOT EQUAL 'Over')		
Remedial action: The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 22-1676 PartialResyncProblem

Alarm	Attributes	Applicable major NE releases
Name: PartialResyncProblem (4401) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: partialResyncProblem (1578)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: The alarm is raised when an Partial Resync on an NE fails. For example, when resyncing only some MIB entries as opposed to a full resync. The periodic reachability test (sysUpTime) is not considered a partial resync, neither is a full resync. However, a PartialResyncProblem alarm can only be reset by a FullResync.		
Raising condition: ('partialResyncStatus' EQUAL 'Partial Resync Failed')		
Clearing condition: ('partialResyncStatus' EQUAL 'Partial Resync Done')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE.		

Table 22-1677 PersistentIndexParametersMisconfigured

Alarm	Attributes	Applicable major NE releases
Name: PersistentIndexParametersMisconfigured (173) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: persistentIndexConfigurationMismatch (136)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: The alarm is raised when persistence is set to Off in the NE BOF.		
Raising condition: (('Persistent SNMP Indices' EQUAL 'False') OR (('hasRedundantProcessorCards' EQUAL 'true') AND ('Redundant Synchronization Mode' EQUAL 'None')))		
Clearing condition: (('Persistent SNMP Indices' EQUAL 'True') AND (('hasRedundantProcessorCards' EQUAL 'false') OR ('Redundant Synchronization Mode' NOT EQUAL 'None')))		
Remedial action: A configuration error has occurred that must be corrected. Use the CLI on the NE to enable persistency in the BOF. The discovery process will complete on the next discovery scan. A re-scan can be triggered immediately for the NE from within the discovery manager		

Table 22-1678 PMCMaxResultStringBlockSizeNotOptimum

Alarm	Attributes	Applicable major NE releases
Name: PMCMaxResultStringBlockSizeNotOptimum (2922) Type: performanceOptimization (97) Package: lte Raised on class: lte.ENBEquipment	Severity: warning Implicitly cleared: true Default probable cause: wrongValue (1120)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Description: This alarm is raised when the PM maximum block size that will be transferred in one SNMP request is set to a value less than an optimum value of 6000 bytes. NOTE that the node's default value can be lower than 6000 bytes.		
Raising condition: ('pmcMaxResultStringBlockSize' < '6000')		
Clearing condition: ('pmcMaxResultStringBlockSize' >= " '6000'")		
Remedial action: Set blocksize to the recommended value.		

(2 of 2)

Table 22-1679 PollerProblem

Alarm	Attributes	Applicable major NE releases
Name: PollerProblem (31) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: resyncFailed (24)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
Raising condition: ('Resync Status' EQUAL 'Full Resync Failed')		
Clearing condition: ('Resync Status' EQUAL 'Full Resync Done')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 22-1680 PrimaryImageBootFailure

Alarm	Attributes	Applicable major NE releases
Name: PrimaryImageBootFailure (191) Type: configurationAlarm (11) Package: sw Raised on class: sw.CardSoftware	Severity: warning Implicitly cleared: true Default probable cause: bootOptionFileMisconfigured (150)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: The alarm is raised when the primary software image specified in an NE BOF is unusable.		
Raising condition: (('imageSource' NOT EQUAL 'Primary') AND ('imageSource' NOT EQUAL 'Unknown'))		
Clearing condition: (('imageSource' EQUAL 'Primary') OR ('imageSource' EQUAL 'Unknown'))		
Remedial action: The SW image on the NE may have been inadvertently corrupted. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

Table 22-1681 RadiusOperStatusDown

Alarm	Attributes	Applicable major NE releases
Name: RadiusOperStatusDown (3692) Type: radiusOperStatusDownAlarm (105) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: radiusOperationStatusDown (1431)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: The alarm is raised when all RADIUS servers have gone down.		
Raising condition: ('Global RADIUS Operational State' EQUAL 'Down')		
Clearing condition: ('Global RADIUS Operational State' EQUAL 'Up')		
Remedial action: Verify the RADIUS server is properly configured and radius server state is up. Check the connectivity between SAM server and radius server configured on the Network element.		

Table 22-1682 ReachabilityProblem

Alarm	Attributes	Applicable major NE releases
Name: ReachabilityProblem (243) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ReachabilityTestFailed (176)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: The alarm is raised when an Mediation poll of the SysUpTimeAlarm object on an NE fails, for example, because of network congestion or because the NE is too busy to respond. The probable cause is an unreachable NE Mediation agent on the NE. By default, the 5620 SAM polls a managed NE every two minutes. If a poll fails, the alarm is raised. The 5620 SAM polls the NE two minutes after the first failure. If successive polls fail, the 5620 SAM raises the polling interval for the NE by two minutes after each failure to a maximum of 12 min. The polling interval remains at 12 min until the 5620 SAM receives a response from the NE. The alarm clears when the 5620 SAM receives a response from the NE, and the 5620 SAM GUI icon that represents the NE turns from red to green.		
Raising condition: ('SNMP Reachability' EQUAL 'Down')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 22-1683 ReconfigFailure

Alarm	Attributes	Applicable major NE releases
Name: ReconfigFailure (1949) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: failedReconfig (937)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: This alarm is raised when the reconfig action failed.		
Raising condition: ('State' EQUAL 'Failed')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: ('State' NOT EQUAL 'Failed')		
Remedial action: Verify that the object is configured as expected.		

(2 of 2)

Table 22-1684 RncAccessAdminDown

Alarm	Attributes	Applicable major NE releases
Name: RncAccessAdminDown (4797) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RncAccess	Severity: variable Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: The alarm is raised when a RNC Access Administrative State is down.		
Raising condition: (('administrativeState' NOT EQUAL 'Unlocked'))		
Clearing condition: (('administrativeState' EQUAL 'Unlocked'))		
Remedial action: Informational - no corrective action required.		

Table 22-1685 SaveConfigFailed

Alarm	Attributes	Applicable major NE releases
Name: SaveConfigFailed (105) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileAccessError (90)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: The alarm is raised when the admin save command on an NE fails.		
Raising condition: ('Config Save State' EQUAL 'Failure')		
Clearing condition: ('Config Save State' EQUAL 'Success')		
Remedial action: Attempt the admin save command a second time. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 22-1686 ScheduledPollerProblem

Alarm	Attributes	Applicable major NE releases
Name: ScheduledPollerProblem (4386) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: scheduledResyncFailed (1569)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0

(1 of 2)

22 – Alcatel-Lucent 9xxx eNodeB alarms

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
Raising condition: ('Scheduled Resync Status' EQUAL 'Scheduled Resync Failed')		
Clearing condition: ('Scheduled Resync Status' EQUAL 'Scheduled Resync Done')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

(2 of 2)

Table 22-1687 StatsRetrieveFailed

Alarm	Attributes	Applicable major NE releases
Name: StatsRetrieveFailed (244) Type: configurationAlarm (11) Package: sw Raised on class: sw.AccountingStatsRetrievalManager	Severity: major Implicitly cleared: false Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: The alarm is raised when the 5620 SAM main or auxiliary server cannot transfer an accounting file from an NE.		
Raising condition: (('Stats Retrieval State' NOT EQUAL 'Success') AND ('Stats Retrieval State' NOT EQUAL 'Not Attempted'))		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy or otherwise cannot respond to the 5620 SAM main or auxiliary server.		

Table 22-1688 SubscriberSystemNextHopUsageHigh

Alarm	Attributes	Applicable major NE releases
Name: SubscriberSystemNextHopUsageHigh (5157) Type: thresholdCrossed (6) Package: netw Raised on class: netw.NetworkElement	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit.		
Raising condition: ('IP Next Hop Usage High' EQUAL 'true')		
Clearing condition: ('IP Next Hop Usage High' EQUAL 'false')		
Remedial action: The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit. There is no immediate effect, but when the usage actually hits the limit, new hosts will not get their managed routes.		

Table 22-1689 TrapDestinationMisconfigured

Alarm	Attributes	Applicable major NE releases
Name: TrapDestinationMisconfigured (33) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: trapDestinationMisconfigured (26) Applicable probable causes: <ul style="list-style-type: none"> trapDestinationMisconfigured duplicateTrapLogId 	<ul style="list-style-type: none"> LR13.1 LR13.3 LR14.1.L LT6.0
Description: The alarm is raised when the 5620 SAM cannot be added to the NE's SNMP trap destinations.		
Raising condition: ('isTrapDestinationMisconfigured' EQUAL 'true')		
Clearing condition: ('isTrapDestinationMisconfigured' EQUAL 'false')		
Remedial action: A configuration error has been made which must be corrected. The SNMP trap destination on the NE must be configured to the IP address of the SAM server.		

Table 22-1690 TrapReceivingFailure

Alarm	Attributes	Applicable major NE releases
Name: TrapReceivingFailure (1083) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: false Default probable cause: trapsWillNotBeSent (822)	<ul style="list-style-type: none"> LR13.1 LR13.3 LR14.1.L LT6.0
Description: This user-defined alarm is raised when the NE is unable to send traps because the NE configuration is one of the following: - The Management IP Selection is set to Out Of Band Only, the Primary Route Preference is set to In Band, and the Secondary Route Preference is set to None. - The Management IP Selection is set to In Band Only, the Primary Route Preference is set to Out Of Band, and the Secondary Route Preference is set to None.		
Raising condition: (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
Clearing condition: (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND (('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND (('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND (('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND (('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND (('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band'))))		
Remedial action: A configuration error has been made which must be corrected. The configuration error must be corrected per the discussion in the description for this alarm.		

Table 22-1691 TrapRoutePreferenceRedundancyMissing

Alarm	Attributes	Applicable major NE releases
Name: TrapRoutePreferenceRedundancyMissing (1084) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: trapsRedundancyMissing (823)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: The user-defined alarm is raised when NE management redundancy is configured without trap route preference redundancy.		
Raising condition: (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
Clearing condition: (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Secondary Route Preference' NOT EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Secondary Route Preference' NOT EQUAL 'None'))))		
Remedial action: A configuration error has been made which must be corrected. The IP address of the standby SAM server must be configured on the NE in question.		

Table 22-1692 UnidentifiedNode

Alarm	Attributes	Applicable major NE releases
Name: UnidentifiedNode (1922) Type: communicationsAlarm (4) Package: netw Raised on class: netw.DiscoveredNode	Severity: major Implicitly cleared: true Default probable cause: unidentifiedNode (922)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: The alarm is raised when the node being discovered can not be properly identified.		
Raising condition: ('State' EQUAL 'Pending Identification')		
Clearing condition: ('State' NOT EQUAL 'Pending Identification')		
Remedial action: A configuration error has occurred that must be corrected. The eNodeB does not have a system name. The name can be configured by selecting the alarm, opening the associated properties form for the alarmed object and configuring the system name.		

Table 22-1693 UnmanageFailed

Alarm	Attributes	Applicable major NE releases
Name: UnmanageFailed (300) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.NodeDiscoveryControl	Severity: warning Implicitly cleared: true Default probable cause: unableToDeleteNode (231)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: The alarm is raised when an attempt to unmanage an NE fails.		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Raising condition: ('Site State' EQUAL 'unmanage failed')		
Clearing condition: ('Site State' NOT EQUAL 'unmanage failed')		
Remedial action: Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

(2 of 2)

Table 22-1694 unsupportedPortUsage

Alarm	Attributes	Applicable major NE releases
Name: unsupportedPortUsage (5184) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: warning Implicitly cleared: true Default probable cause: incompatiblePortUsage (2100)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: The alarm is raised in case unsupported port type is configured		
Raising condition: (('portId' >= '1L') AND ('portId' <= '4L') AND ('specificCardType' EQUAL 'EASv2') AND (('Port Usage' EQUAL 'MPT-HC') OR ('Port Usage' EQUAL 'MPT-MC')))"		
Clearing condition: NOT (((('portId' >= '1L') AND ('portId' <= '4L') AND ('specificCardType' EQUAL 'EASv2') AND (('Port Usage' EQUAL 'MPT-HC') OR ('Port Usage' EQUAL 'MPT-MC')))))"		
Remedial action: This alarm indicates unsupported port usage. Port usage configured on the NE is not supported by SAM.		

Table 22-1695 UpgradedBuildVersionMismatch

Alarm	Attributes	Applicable major NE releases
Name: UpgradedBuildVersionMismatch (174) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: upgradedImageNotBooted (137)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: The alarm is raised when the software version that an NE reports after a software upgrade does not match the version of the software used for the upgrade.		
Raising condition: ('upgradedBuildVersionMismatch' EQUAL 'true')		
Clearing condition: ('upgradedBuildVersionMismatch' EQUAL 'false')		
Remedial action: Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 22-1696 upgradedCardAlarm

Alarm	Attributes	Applicable major NE releases
Name: upgradedCardAlarm (255) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: upgradedCard (194)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: The alarm is raised when the standby CPM is rebooted and operational after a software upgrade. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
Raising condition: ('operationalState' EQUAL 'Upgrade')		
Clearing condition: ('operationalState' EQUAL 'Up')		
Remedial action: Informational - no corrective action required.		

Table 22-1697 VersionConfigRestoreFailed

Alarm	Attributes	Applicable major NE releases
Name: VersionConfigRestoreFailed (536) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: versionMismatch (405)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: The alarm is raised when the restore procedure on an NE fails because of a mismatch between the backup file set version and the NE software version.		
Raising condition: ('lastNmsVersionRestoreState' EQUAL 'Failure')		
Clearing condition: ('lastNmsVersionRestoreState' EQUAL 'Success')		
Remedial action: The backup files being restored do not match with the version of node software release. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

Table 22-1698 WrongCpaaSoftwareVersion

Alarm	Attributes	Applicable major NE releases
Name: WrongCpaaSoftwareVersion (791) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: wrongCpaaSoftwareVersion (559)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: The alarm is raised when the 7701 CPAA software is the wrong version and requires an upgrade.		
Raising condition: (('Software Version' EQUAL "\"TIMOS-B-3.0.Generic \") AND ('Chassis Type' EQUAL '7701 CPAA'))		
Clearing condition: (('Software Version' NOT EQUAL "\"TIMOS-B-3.0.Generic \") AND ('Chassis Type' EQUAL '7701 CPAA'))		
Remedial action: The SW version of the CPAA must be upgraded to the version compatible with CPAM version.		

Table 22-1699 X2AccessAdminDown

Alarm	Attributes	Applicable major NE releases
Name: X2AccessAdminDown (1906) Type: equipmentAlarm (3) Package: lte Raised on class: lte.X2Access	Severity: variable Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: The alarm is raised when an X2 Access Administrative State is down.		
Raising condition: (('Administrative State' NOT EQUAL 'Unlocked'))		
Clearing condition: (('Administrative State' EQUAL 'Unlocked'))		
Remedial action: Informational - no corrective action required.		

Table 22-1700 X2AccessDown

Alarm	Attributes	Applicable major NE releases
Name: X2AccessDown (1907) Type: equipmentAlarm (3) Package: lte Raised on class: lte.X2Access	Severity: info Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: The alarm is raised when an X2 Access is operationally down.		
Raising condition: (('Operational State' NOT EQUAL 'Enabled') AND ('Administrative State' EQUAL 'Unlocked'))		
Clearing condition: (('Operational State' EQUAL 'Enabled') OR ('Administrative State' NOT EQUAL 'Unlocked'))		
Remedial action: The Equipment is inoperable. Additional attributes may indicate the nature and cause of the issue.		

Table 22-1701 X2AccessNotAvailable

Alarm	Attributes	Applicable major NE releases
Name: X2AccessNotAvailable (1908) Type: equipmentAlarm (3) Package: lte Raised on class: lte.X2Access	Severity: info Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> • LR13.1 • LR13.3 • LR14.1.L • LT6.0
Description: The alarm is raised when an X2 Access is not fully available.		
Raising condition: ('Availability Status' NOT EQUAL 'No Bits Set')		
Clearing condition: ('Availability Status' EQUAL 'No Bits Set')		
Remedial action: The Equipment is not fully available. AvailabilityStatus value and Additional attributes may indicate the nature and cause of the issue.		

23 — Alcatel-Lucent-HIP alarms



Note — Some alarms that the 5620 SAM can raise against this device may not be listed in this chapter. Associating alarms with specific NE types is an ongoing Alcatel-Lucent effort. If the 5620 SAM raises an alarm against this device type, and the alarm is not described in this chapter, see chapter [35](#) for information about the alarm.

Table 23-1 ActiveAbnormalCondition

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

23 – Alcatel-Lucent-HIP alarms

Table 23-2 AGWDiameterPeerDown

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

Table 23-3 AuxiliaryServerStatus

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

Table 23-4 BootableConfigBackupFailed

Alarm	Attributes	Applicable major NE releases
Name: BootableConfigBackupFailed (103) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> N/A
Description: The alarm is raised when the 5620 SAM fails to back up a set of NE configuration files.		
Raising condition: ('Backup State' EQUAL 'Failure')		
Clearing condition: ('Backup State' EQUAL 'Success')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: Investigation is required to resolve the following possible scenarios: insufficient disk space is available to accommodate the NE configuration files (additional SAM platform alarms will accompany this alarm); the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

(2 of 2)

Table 23-5 BootableConfigRestoreFailed

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

Table 23-6 BootParametersMisconfigured

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

23 – Alcatel-Lucent-HIP alarms

Table 23-7 ClientDelegateServerStatus

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

Table 23-8 ContainingEquipmentAdministrativelyDown

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

Table 23-9 ContainingEquipmentMismatch

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

Table 23-10 ContainingEquipmentOperationallyDown

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

Table 23-11 CorruptImageFile

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

Table 23-12 EMSNetworkElementSystemAlarmOverLoad

Alarm	Attributes	Applicable major NE releases
Name: EMSNetworkElementSystemAlarmOverLoad (4620) Type: processingErrorAlarm (81) Package: hip Raised on class: hip.EMSNetworkElement	Severity: critical Implicitly cleared: true Default probable cause: systemResourcesOverload (1505)	<ul style="list-style-type: none"> N/A
Description: The alarm is raised when the 5620 SAM detects an overload of EMS alarms in the alarm list.		

(1 of 2)

23 – Alcatel-Lucent-HIP alarms

Alarm	Attributes	Applicable major NE releases
Raising condition: ('alarmOverLoaded' EQUAL 'true')		
Clearing condition: ('alarmOverLoaded' EQUAL 'false')		
Remedial action: Informational - no corrective action required.		

(2 of 2)

Table 23-13 EMSNetworkElementSystemUnreachable

Alarm	Attributes	Applicable major NE releases
Name: EMSNetworkElementSystemUnreachable (4621) Type: communicationsAlarm (4) Package: hip Raised on class: hip.EMSNetworkElement	Severity: major Implicitly cleared: true Default probable cause: connectionEstablishmentError (1136) Applicable probable causes: <ul style="list-style-type: none"> • connectionEstablishmentError • transmissionError • fireDetected • lossOfRedundancy • protectionMechanismFailure • protectingResourceFailure • excessiveResponseTime • excessiveRetransmissionRate 	<ul style="list-style-type: none"> • N/A
Description: The alarm is raised when the 5620 SAM detects a HIP communication link failure to the EM System while the EM System is administratively up. The alarm clears when the HIP link returns to service or the EM System is no longer administratively up.		
Raising condition: ('alarmNetworkConnection' EQUAL 'true')		
Clearing condition: ('alarmNetworkConnection' EQUAL 'false')		
Remedial action: Check network connectivity between the SAM main server and EM System server. Check that the EM System is running and connectivity to SAM is operational.		

Table 23-14 EquipmentAdministrativelyDown

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

Table 23-15 EquipmentDown

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

Table 23-16 EquipmentInTest

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

Table 23-17 EquipmentMismatch

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

23 – Alcatel-Lucent-HIP alarms

Table 23-18 EquipmentRemoved

Alarm	Attributes	Applicable major NE releases
Name: EquipmentRemoved (8) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: replaceableEquipmentRemoved (6)	<ul style="list-style-type: none"> N/A
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMissing.		
Raising condition: (('compositeEquipmentState' EQUAL 'Removed') AND ('isEquipmentInserted' EQUAL 'true'))		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Removed')		
Remedial action: Informational - this alarm is raised when a card is removed.		

Table 23-19 FrameSizeProblem (netw)

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

Table 23-20 GaPeerDown

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

Table 23-21 IncompleteConfiguration

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

Table 23-22 LicensedLimitExceeded

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

Table 23-23 LinkDown

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

23 – Alcatel-Lucent-HIP alarms

Table 23-24 MobileConnectorDown

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

Table 23-25 NeManagementAndTrapManagementMismatch

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

Table 23-26 NewSsh2ServerKeyDetected

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

Table 23-27 NodeDatabaseFallbackDetected

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

Table 23-28 NodeDatabaseMisalignmentDetected

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

23 – Alcatel-Lucent-HIP alarms

Table 23-29 NodeSuspended

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

Table 23-30 OrphanNodeDetected

Alarm	Attributes	Applicable major NE releases
Name: OrphanNodeDetected (4866) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.AdvertisedNode	Severity: major Implicitly cleared: true Default probable cause: nodeNotMangedByAnyEms (1934)	<ul style="list-style-type: none"> N/A
Description: The alarm is raised when node is node managed by any EMS after n retries(threshold crossed) it is manually cleared by the operator or when the node is discovered.		
Raising condition: ('state' EQUAL 'orphan')		
Remedial action: The NE is not managed by any SAM. Add an discory rule in order to managed it.		

Table 23-31 PartialResyncProblem

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

Table 23-32 PersistentIndexParametersMisconfigured

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

Table 23-33 PollerProblem

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

Table 23-34 PrimaryImageBootFailure

Alarm	Attributes	Applicable major NE releases
Name: PrimaryImageBootFailure (191) Type: configurationAlarm (11) Package: sw Raised on class: sw.CardSoftware	Severity: warning Implicitly cleared: true Default probable cause: bootOptionFileMisconfigured (150)	<ul style="list-style-type: none"> N/A
Description: The alarm is raised when the primary software image specified in an NE BOF is unusable.		
Raising condition: (('imageSource' NOT EQUAL 'Primary') AND ('imageSource' NOT EQUAL 'Unknown'))		

(1 of 2)

23 – Alcatel-Lucent-HIP alarms

Alarm	Attributes	Applicable major NE releases
Clearing condition: (('imageSource' EQUAL 'Primary') OR ('imageSource' EQUAL 'Unknown'))		
Remedial action: The SW image on the NE may have been inadvertently corrupted. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

(2 of 2)

Table 23-35 RadiusOperStatusDown

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

Table 23-36 ReachabilityProblem

Alarm	Attributes	Applicable major NE releases
Name: ReachabilityProblem (243) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ReachabilityTestFailed (176)	<ul style="list-style-type: none"> N/A
Description: The alarm is raised when an Mediation poll of the SysUpTimeAlarm object on an NE fails, for example, because of network congestion or because the NE is too busy to respond. The probable cause is an unreachable NE Mediation agent on the NE. By default, the 5620 SAM polls a managed NE every two minutes. If a poll fails, the alarm is raised. The 5620 SAM polls the NE two minutes after the first failure. If successive polls fail, the 5620 SAM raises the polling interval for the NE by two minutes after each failure to a maximum of 12 min. The polling interval remains at 12 min until the 5620 SAM receives a response from the NE. The alarm clears when the 5620 SAM receives a response from the NE, and the 5620 SAM GUI icon that represents the NE turns from red to green.		
Raising condition: ('SNMP Reachability' EQUAL 'Down')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 23-37 ReconfigFailure

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

Table 23-38 SaveConfigFailed

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

Table 23-39 ScheduledPollerProblem

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

23 – Alcatel-Lucent-HIP alarms

Table 23-40 StatsRetrieveFailed

Alarm	Attributes	Applicable major NE releases
Name: StatsRetrieveFailed (244) Type: configurationAlarm (11) Package: sw Raised on class: sw.AccountingStatsRetrievalManager	Severity: major Implicitly cleared: false Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> N/A
Description: The alarm is raised when the 5620 SAM main or auxiliary server cannot transfer an accounting file from an NE.		
Raising condition: (('Stats Retrieval State' NOT EQUAL 'Success') AND ('Stats Retrieval State' NOT EQUAL 'Not Attempted'))		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy or otherwise cannot respond to the 5620 SAM main or auxiliary server.		

Table 23-41 SubscriberSystemNextHopUsageHigh

Alarm	Attributes	Applicable major NE releases
Name: SubscriberSystemNextHopUsageHigh (5157) Type: thresholdCrossed (6) Package: netw Raised on class: netw.NetworkElement	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> N/A
Description: The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit.		
Raising condition: ('IP Next Hop Usage High' EQUAL 'true')		
Clearing condition: ('IP Next Hop Usage High' EQUAL 'false')		
Remedial action: The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit. There is no immediate effect, but when the usage actually hits the limit, new hosts will not get their managed routes.		

Table 23-42 TrapDestinationMisconfigured

Alarm	Attributes	Applicable major NE releases
Name: TrapDestinationMisconfigured (33) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: trapDestinationMisconfigured (26) Applicable probable causes: <ul style="list-style-type: none"> trapDestinationMisconfigured duplicateTrapLogId 	<ul style="list-style-type: none"> N/A
Description: The alarm is raised when the 5620 SAM cannot be added to the NE's SNMP trap destinations.		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Raising condition: ('isTrapDestinationMisconfigured' EQUAL 'true')		
Clearing condition: ('isTrapDestinationMisconfigured' EQUAL 'false')		
Remedial action: A configuration error has been made which must be corrected. The SNMP trap destination on the NE must be configured to the IP address of the SAM server.		

(2 of 2)

Table 23-43 TrapReceivingFailure

Alarm	Attributes	Applicable major NE releases
Name: TrapReceivingFailure (1083) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: false Default probable cause: trapsWillNotBeSent (822)	<ul style="list-style-type: none"> N/A
Description: This user-defined alarm is raised when the NE is unable to send traps because the NE configuration is one of the following: - The Management IP Selection is set to Out Of Band Only, the Primary Route Preference is set to In Band, and the Secondary Route Preference is set to None. - The Management IP Selection is set to In Band Only, the Primary Route Preference is set to Out Of Band, and the Secondary Route Preference is set to None.		
Raising condition: (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
Clearing condition: (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND (('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND (('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND (('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND (('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND (('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND (('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band'))))		
Remedial action: A configuration error has been made which must be corrected. The configuration error must be corrected per the discussion in the description for this alarm.		

Table 23-44 TrapRoutePreferenceRedundancyMissing

Alarm	Attributes	Applicable major NE releases
Name: TrapRoutePreferenceRedundancyMissing (1084) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: trapsRedundancyMissing (823)	<ul style="list-style-type: none"> N/A

(1 of 2)

23 – Alcatel-Lucent-HIP alarms

Alarm	Attributes	Applicable major NE releases
Description: The user-defined alarm is raised when NE management redundancy is configured without trap route preference redundancy.		
Raising condition: (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
Clearing condition: (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Secondary Route Preference' NOT EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Secondary Route Preference' NOT EQUAL 'None'))))		
Remedial action: A configuration error has been made which must be corrected. The IP address of the standby SAM server must be configured on the NE in question.		

(2 of 2)

Table 23-45 UnidentifiedNode

Alarm	Attributes	Applicable major NE releases
Name: UnidentifiedNode (1922) Type: communicationsAlarm (4) Package: netw Raised on class: netw.DiscoveredNode	Severity: major Implicitly cleared: true Default probable cause: unidentifiedNode (922)	<ul style="list-style-type: none"> N/A
Description: The alarm is raised when the node being discovered can not be properly identified.		
Raising condition: ('State' EQUAL 'Pending Identification')		
Clearing condition: ('State' NOT EQUAL 'Pending Identification')		
Remedial action: A configuration error has occurred that must be corrected. The eNodeB does not have a system name. The name can be configured by selecting the alarm, opening the associated properties form for the alarmed object and configuring the system name.		

Table 23-46 UnmanageFailed

Alarm	Attributes	Applicable major NE releases
Name: UnmanageFailed (300) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.NodeDiscoveryControl	Severity: warning Implicitly cleared: true Default probable cause: unableToDeleteNode (231)	<ul style="list-style-type: none"> N/A
Description: The alarm is raised when an attempt to unmanage an NE fails.		
Raising condition: ('Site State' EQUAL 'unmanage failed')		
Clearing condition: ('Site State' NOT EQUAL 'unmanage failed')		
Remedial action: Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 23-47 UpgradedBuildVersionMismatch

Alarm	Attributes	Applicable major NE releases
Name: UpgradedBuildVersionMismatch (174) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: upgradedImageNotBooted (137)	<ul style="list-style-type: none"> N/A
Description: The alarm is raised when the software version that an NE reports after a software upgrade does not match the version of the software used for the upgrade.		
Raising condition: ('upgradedBuildVersionMismatch' EQUAL 'true')		
Clearing condition: ('upgradedBuildVersionMismatch' EQUAL 'false')		
Remedial action: Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 23-48 VersionConfigRestoreFailed

Alarm	Attributes	Applicable major NE releases
Name: VersionConfigRestoreFailed (536) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: versionMismatch (405)	<ul style="list-style-type: none"> N/A
Description: The alarm is raised when the restore procedure on an NE fails because of a mismatch between the backup file set version and the NE software version.		
Raising condition: ('lastNmsVersionRestoreState' EQUAL 'Failure')		
Clearing condition: ('lastNmsVersionRestoreState' EQUAL 'Success')		
Remedial action: The backup files being restored do not match with the version of node software release. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

Table 23-49 WrongCpaaSoftwareVersion

Alarm	Attributes	Applicable major NE releases
Name: WrongCpaaSoftwareVersion (791) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: wrongCpaaSoftwareVersion (559)	<ul style="list-style-type: none"> N/A
Description: The alarm is raised when the 7701 CPAA software is the wrong version and requires an upgrade.		
Raising condition: (('Software Version' EQUAL "\"TIMOS-B-3.0.Generic \") AND ('Chassis Type' EQUAL '7701 CPAA'))		
Clearing condition: (('Software Version' NOT EQUAL "\"TIMOS-B-3.0.Generic \") AND ('Chassis Type' EQUAL '7701 CPAA'))		
Remedial action: The SW version of the CPAA must be upgraded to the version compatible with CPAM version.		

24 — Alcatel-Lucent OS10K alarms



Note — Some alarms that the 5620 SAM can raise against this device may not be listed in this chapter. Associating alarms with specific NE types is an ongoing Alcatel-Lucent effort. If the 5620 SAM raises an alarm against this device type, and the alarm is not described in this chapter, see chapter 35 for information about the alarm.

Table 24-1 AccessInterfaceDown

Alarm	Attributes	Applicable major NE releases
Name: AccessInterfaceDown (249) Type: AccessInterfaceAlarm (32) Package: service Raised on class: service.AccessInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> • 7.1.1 • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when an L2 or L3 interface operational state is Down. The alarm is not raised against an L2 access interface that is associated with an MC ring or MC LAG in the standby state.		
Raising condition: (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'Standby For MC-Ring') AND ('State Cause' NOT EQUAL 'Standby For MC-Lag') AND ('State Cause' NOT EQUAL 'Standby For BGP Multi-homing'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'Standby For MC-Ring') OR ('State Cause' EQUAL 'Standby For MC-Lag') OR ('State Cause' EQUAL 'Standby For BGP Multi-homing'))		
Remedial action: The condition exists because the physical interface is down either because it is administratively disabled, faulty or a cabling fault has occurred. Ensure that the interface is administratively up. Check for a poor cable connection to the port or for a faulty cable/fiber. If neither appears to be the problem run diagnostics on the port to determine if it is faulty.		

Table 24-2 ActiveAbnormalCondition

Alarm	Attributes	Applicable major NE releases
Name: ActiveAbnormalCondition (3938) Type: activeAbnormalConditionAlarm (116) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ActiveAbnormalConditionState (1520)	<ul style="list-style-type: none"> • 7.1.1 • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is an indication for abnormal condition on NE.		
Raising condition: ('abnormalCondition' EQUAL 'true')		
Clearing condition: ('abnormalCondition' EQUAL 'false')		
Remedial action: This alarm is raised when there is a abnormal state indication on NE.		

Table 24-3 AGWDiameterPeerDown

Alarm	Attributes	Applicable major NE releases
Name: AGWDiameterPeerDown (844) Type: EpcAlarm (59) Package: lte Raised on class: lte.AGWDiameterPeer	Severity: variable Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> • 7.1.1 • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the path management state of a Diameter peer changes to a state other than Up.		
Raising condition: ('Path Diameter Management State' NOT EQUAL 'Active')		
Clearing condition: ('Path Diameter Management State' EQUAL 'Active')		
Remedial action: A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

Table 24-4 AreaTypeMismatch

Alarm	Attributes	Applicable major NE releases
Name: AreaTypeMismatch (38) Type: configurationAlarm (11) Package: ospf Raised on class: ospf.Area	Severity: warning Implicitly cleared: true Default probable cause: areaTypeMisconfigured (34)	<ul style="list-style-type: none"> • 7.1.1 • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when an OSPF area on one NE is configured as an NSSA and the same OSPF area on another NE is configured as a stub area.		
Raising condition: ('Type Mismatch' EQUAL 'true')		
Clearing condition: ('Type Mismatch' EQUAL 'false')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: A configuration error has been made which must be corrected. The OSPF area type configured for the NE does not match with the same OSPF area configured on another NE. Compare the configuration on the endpoint and correct the mismatch.		

(2 of 2)

Table 24-5 AtcaFanFailure

Alarm	Attributes	Applicable major NE releases
Name: AtcaFanFailure (1124) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Fan	Severity: critical Implicitly cleared: true Default probable cause: fanFailure (116)	<ul style="list-style-type: none"> • 7.1.1 • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the associated fan is not operationally Up.		
Raising condition: (('operationalState' EQUAL 'Disabled') OR ('operationalState' EQUAL 'Down'))		
Clearing condition: (('operationalState' EQUAL 'Enabled') OR ('operationalState' EQUAL 'Up'))		
Remedial action: This alarm is raised if the fan speed falls below 500 rpm. If the alarm persists, replace the appropriate (upper or lower) fan tray.		

Table 24-6 AuxiliaryServerStatus

Alarm	Attributes	Applicable major NE releases
Name: AuxiliaryServerStatus (311) Type: communicationsAlarm (4) Package: server Raised on class: server.AuxiliaryServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> • 7.1.1 • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when a 5620 SAM main server cannot communicate with an auxiliary server. The alarm clears when communication is restored.		
Raising condition: ('Server Status' EQUAL 'Down')		
Clearing condition: ('Server Status' EQUAL 'Up')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the AUX and SAM servers is unreliable.		

Table 24-7 BgpDown

Alarm	Attributes	Applicable major NE releases
Name: BgpDown (6) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 7.1.1 • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when a BGP instance has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: The BGP protocol entity is down - administratively disable BGP and re-enable. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 24-8 BootableConfigBackupFailed

Alarm	Attributes	Applicable major NE releases
Name: BootableConfigBackupFailed (103) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> • 7.1.1 • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the 5620 SAM fails to back up a set of NE configuration files.		
Raising condition: ('Backup State' EQUAL 'Failure')		
Clearing condition: ('Backup State' EQUAL 'Success')		
Remedial action: Investigation is required to resolve the following possible scenarios: insufficient disk space is available to accommodate the NE configuration files (additional SAM platform alarms will accompany this alarm); the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

Table 24-9 BootableConfigRestoreFailed

Alarm	Attributes	Applicable major NE releases
Name: BootableConfigRestoreFailed (104) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> • 7.1.1 • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the 5620 SAM fails to restore a set of NE configuration files.		
Raising condition: ('Restore State' EQUAL 'Failure')		
Clearing condition: ('Restore State' EQUAL 'Success')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: Investigation is required to resolve the following possible scenarios: the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

(2 of 2)

Table 24-10 BootParametersMisconfigured

Alarm	Attributes	Applicable major NE releases
Name: BootParametersMisconfigured (35) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: persistentIndexFailure (30) Applicable probable causes: <ul style="list-style-type: none"> • persistentIndexFailure • configFileBootFailure 	<ul style="list-style-type: none"> • 7.1.1 • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the SNMP Index Boot Status on an NE is not set to Persistent.		
Raising condition: (('isGenericNode' EQUAL 'false') AND ('State' NOT EQUAL 'Pre-provisioned') AND (('Config File Status' NOT EQUAL 'Executed Successfully') OR ('Persistent Index Status' NOT EQUAL 'Rebuild Succeeded')))		
Clearing condition: (('Config File Status' EQUAL 'Executed Successfully') AND ('Persistent Index Status' EQUAL 'Rebuild Succeeded'))		
Remedial action: Ensure that "SNMP Index Boot Status" is persistent (using cli command "show system information" on the NE). If not, unmanage the network element from SAM, ensure that "persist on" is set in the bof file, save the bof, save a config file, verify that an index file (.ndx) is saved as well, reboot the router, verify that SNMP Index Boot Status is persistent and finally remanage the router from SAM.		

Table 24-11 ClientDelegateServerStatus

Alarm	Attributes	Applicable major NE releases
Name: ClientDelegateServerStatus (731) Type: communicationsAlarm (4) Package: server Raised on class: server.ClientDelegateServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> • 7.1.1 • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when a client delegate server is unreachable.		
Raising condition: ('Server Status' EQUAL 'Down')		
Clearing condition: ('Server Status' EQUAL 'Up')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the client delegate platform and SAM servers is unreliable or the client delegate server itself is unreliable.		

Table 24-12 ContainingEquipmentAdministrativelyDown

Alarm	Attributes	Applicable major NE releases
Name: ContainingEquipmentAdministrativelyDown (466) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: minor Implicitly cleared: true Default probable cause: containingEquipmentAdministrativelyDown (330)	<ul style="list-style-type: none"> • 7.1.1 • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentAdministrativelyDown.		
Raising condition: (('Status' EQUAL 'Parent Admin Down') AND ('isTerminatable' EQUAL 'true'))		
Clearing condition: (('Status' NOT EQUAL 'Parent Admin Down') OR ('isTerminatable' NOT EQUAL 'true'))		
Remedial action: Informational - no corrective action required.		

Table 24-13 ContainingEquipmentMismatch

Alarm	Attributes	Applicable major NE releases
Name: ContainingEquipmentMismatch (464) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentMismatch (328)	<ul style="list-style-type: none"> • 7.1.1 • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentMismatch.		
Raising condition: (('Status' EQUAL 'Parent Type Mismatch') AND ('isTerminatable' EQUAL 'true'))		
Clearing condition: (('Status' NOT EQUAL 'Parent Type Mismatch') OR ('isTerminatable' NOT EQUAL 'true'))		
Remedial action: A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

Table 24-14 ContainingEquipmentOperationallyDown

Alarm	Attributes	Applicable major NE releases
Name: ContainingEquipmentOperationallyDown (465) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentDown (329)	<ul style="list-style-type: none"> • 7.1.1 • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentOperationallyDown.		
Raising condition: (('Status' EQUAL 'Parent Oper Down') AND ('isTerminatable' EQUAL 'true'))		
Clearing condition: (('Status' NOT EQUAL 'Parent Oper Down') OR ('isTerminatable' NOT EQUAL 'true'))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: The operational state of the equipment element indicated in the alarm is down. This may be due to the element's administrative state or it may indicate that the element has failed.		

(2 of 2)

Table 24-15 CorruptImageFile

Alarm	Attributes	Applicable major NE releases
Name: CorruptImageFile (171) Type: configurationAlarm (11) Package: mediation Raised on class: mediation.AbstractSoftwareFolderDescriptor	Severity: critical Implicitly cleared: true Default probable cause: invalidOrCorruptImageFile (134)	<ul style="list-style-type: none"> • 7.1.1 • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when one or more files in the 5620 SAM software image specified for a device software upgrade is invalid, corrupt or absent. The 5620 SAM validates a device software file set before it imports the file set and distributes it to an NE. Ensure that the file set downloads properly to the NE and is not tampered with before you re-attempt the upgrade. The alarm clears when a valid file set is on the NE and the 5620 SAM activates the software image in the file set.		
Raising condition: ('isImageValid' EQUAL 'false')		
Clearing condition: ('isImageValid' EQUAL 'true')		
Remedial action: The existing SW image in the SAM database should be replaced with an image that is known to be complete and valid.		

Table 24-16 DDMAux1HighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMAux1HighAlarm (495) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: aux1HighAlarm (381)	<ul style="list-style-type: none"> • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the manufacturer-specific Auxiliary 1 of the XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux1 High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux1 High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 24-17 DDMAux1HighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMAux1HighWarning (494) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: aux1HighWarning (380)	<ul style="list-style-type: none"> • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the manufacturer-specific Auxiliary 1 of the XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux1 High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux1 High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 24-18 DDMAux1LowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMAux1LowAlarm (493) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: aux1LowAlarm (379)	<ul style="list-style-type: none"> • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the manufacturer-specific Auxiliary 1 of the XFP reaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux1 Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux1 Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 24-19 DDMAux1LowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMAux1LowWarning (492) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: aux1LowWarning (378)	<ul style="list-style-type: none"> • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the manufacturer-specific Auxiliary 1 of the XFP approaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux1 Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux1 Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 24-20 DDMAux2HighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMAux2HighAlarm (499) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: aux2HighAlarm (385)	<ul style="list-style-type: none"> 7.3.1 7.3.2 7.3.3
Description: The alarm is raised when the manufacturer-specific Auxiliary 2 of the XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux2 High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux2 High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 24-21 DDMAux2HighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMAux2HighWarning (498) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: aux2HighWarning (384)	<ul style="list-style-type: none"> 7.3.1 7.3.2 7.3.3
Description: The alarm is raised when the manufacturer-specific Auxiliary 2 of the XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux2 High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux2 High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 24-22 DDMAux2LowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMAux2LowAlarm (497) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: aux2LowAlarm (383)	<ul style="list-style-type: none"> 7.3.1 7.3.2 7.3.3
Description: The alarm is raised when the manufacturer-specific Auxiliary 2 of the XFP reaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux2 Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux2 Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 24-23 DDMAux2LowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMAux2LowWarning (496) Type: communicatiothresholdAlarmnsAlarm (50) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: aux2LowWarning (382)	<ul style="list-style-type: none"> • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the manufacturer-specific Auxiliary 2 of the XFP approaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux2 Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux2 Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 24-24 DDMRxOpticalPowerHighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMRxOpticalPowerHighAlarm (491) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: rxOpticalPowerHighAlarm (377)	<ul style="list-style-type: none"> • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the received optical power of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Rx Optical Power High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Rx Optical Power High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 24-25 DDMRxOpticalPowerHighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMRxOpticalPowerHighWarning (490) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: rxOpticalPowerHighWarning (376)	<ul style="list-style-type: none"> • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the received optical power of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Rx Optical Power High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Rx Optical Power High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 24-26 DDMRxOpticalPowerLowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMRxOpticalPowerLowAlarm (489) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: rxOpticalPowerLowAlarm (375)	<ul style="list-style-type: none"> 7.3.1 7.3.2 7.3.3
Description: The alarm is raised when the received optical power of an SFP or XFP reaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBit'Rx Optical Power Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Rx Optical Power Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 24-27 DDMRxOpticalPowerLowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMRxOpticalPowerLowWarning (488) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: rxOpticalPowerLowWarning (374)	<ul style="list-style-type: none"> 7.3.1 7.3.2 7.3.3
Description: The alarm is raised when the received optical power of an SFP or XFP approaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBit'Rx Optical Power Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Rx Optical Power Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 24-28 DDMSupplyVoltageHighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMSupplyVoltageHighAlarm (479) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: supplyVoltageHighAlarm (365)	<ul style="list-style-type: none"> 7.3.1 7.3.2 7.3.3
Description: The alarm is raised when the supply voltage of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Supply Voltage High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Supply Voltage High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 24-29 DDMSupplyVoltageHighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMSupplyVoltageHighWarning (478) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: supplyVoltageHighWarning (364)	<ul style="list-style-type: none"> • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the supply voltage of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Supply Voltage High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Supply Voltage High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 24-30 DDMSupplyVoltageLowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMSupplyVoltageLowAlarm (477) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: supplyVoltageLowAlarm (363)	<ul style="list-style-type: none"> • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the supply voltage of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Supply Voltage Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Supply Voltage Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 24-31 DDMSupplyVoltageLowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMSupplyVoltageLowWarning (476) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: supplyVoltageLowWarning (362)	<ul style="list-style-type: none"> • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the supply voltage of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Supply Voltage Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Supply Voltage Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 24-32 DDMTemperatureHighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTemperatureHighAlarm (475) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: temperatureHighAlarm (361)	<ul style="list-style-type: none"> • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the temperature of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Temperature High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Temperature High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 24-33 DDMTemperatureHighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTemperatureHighWarning (474) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: temperatureHighWarning (360)	<ul style="list-style-type: none"> • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the temperature of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Temperature High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Temperature High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 24-34 DDMTemperatureLowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTemperatureLowAlarm (473) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: temperatureLowAlarm (359)	<ul style="list-style-type: none"> • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the temperature of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Temperature Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Temperature Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 24-35 DDMTemperatureLowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTemperatureLowWarning (472) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: temperatureLowWarning (358)	<ul style="list-style-type: none"> • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the temperature of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Temperature Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Temperature Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 24-36 DDMTxBiasCurrentHighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTxBiasCurrentHighAlarm (483) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: txBiasCurrentHighAlarm (369)	<ul style="list-style-type: none"> • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the transmit bias current of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Bias Current High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Bias Current High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 24-37 DDMTxBiasCurrentHighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTxBiasCurrentHighWarning (482) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: txBiasCurrentHighWarning (368)	<ul style="list-style-type: none"> • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the transmit bias current of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Bias Current High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Bias Current High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 24-38 DDMTxBiasCurrentLowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTxBiasCurrentLowAlarm (481) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: txBiasCurrentLowAlarm (367)	<ul style="list-style-type: none"> • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the transmit bias current of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Bias Current Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Bias Current Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 24-39 DDMTxBiasCurrentLowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTxBiasCurrentLowWarning (480) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: txBiasCurrentLowWarning (366)	<ul style="list-style-type: none"> • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the transmit bias current of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Bias Current Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Bias Current Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 24-40 DDMTxOutputPowerHighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTxOutputPowerHighAlarm (487) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: txOutputPowerHighAlarm (373)	<ul style="list-style-type: none"> • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the output power of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Output Power High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Output Power High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 24-41 DDMTxOutputPowerHighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTxOutputPowerHighWarning (486) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: txOutputPowerHighWarning (372)	<ul style="list-style-type: none"> • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the output power of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Output Power High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Output Power High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 24-42 DDMTxOutputPowerLowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTxOutputPowerLowAlarm (485) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: txOutputPowerLowAlarm (371)	<ul style="list-style-type: none"> • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the output power of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Output Power Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Output Power Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 24-43 DDMTxOutputPowerLowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTxOutputPowerLowWarning (484) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: txOutputPowerLowWarning (370)	<ul style="list-style-type: none"> • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the output power of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Output Power Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Output Power Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 24-44 downgradedCardAlarm

Alarm	Attributes	Applicable major NE releases
Name: downgradedCardAlarm (256) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: downgradedCard (195)	<ul style="list-style-type: none"> • 7.1.1 • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when an IOM is not upgraded or reset after a device software upgrade of both CPMs. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
Raising condition: ('operationalState' EQUAL 'Downgrade')		
Clearing condition: ('operationalState' EQUAL 'Up')		
Remedial action: Informational - no corrective action required.		

Table 24-45 EquipmentAdministrativelyDown

Alarm	Attributes	Applicable major NE releases
Name: EquipmentAdministrativelyDown (455) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: minor Implicitly cleared: true Default probable cause: equipmentAdministrativelyDown (326)	<ul style="list-style-type: none"> • 7.1.1 • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentAdministrativelyDown.		
Raising condition: ('compositeEquipmentState' EQUAL 'Admin Down')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Admin Down')		
Remedial action: Informational - no corrective action required.		

Table 24-46 EquipmentDegraded

Alarm	Attributes	Applicable major NE releases
Name: EquipmentDegraded (604) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: minor Implicitly cleared: true Default probable cause: singleFanFailure (450)	<ul style="list-style-type: none"> • 7.1.1 • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when a single fan fails. The chassis attempts to continue operating within the normal temperature range using only the remaining fans.		
Raising condition: ('Device State' EQUAL 'MinorFailure')		
Clearing condition: ('Device State' NOT EQUAL 'MinorFailure')		
Remedial action: The failed fan unit should be replaced.		

Table 24-47 EquipmentDown

Alarm	Attributes	Applicable major NE releases
Name: EquipmentDown (10) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: inoperableEquipment (8)	<ul style="list-style-type: none"> • 7.1.1 • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentOperationallyDown.		
Raising condition: ('compositeEquipmentState' EQUAL 'Oper Down')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Oper Down')		
Remedial action: This alarm indicates that a card in the NE has failed. The card must be replaced.		

Table 24-48 EquipmentFailure

Alarm	Attributes	Applicable major NE releases
Name: EquipmentFailure (145) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.ReplaceableUnit	Severity: critical Implicitly cleared: true Default probable cause: cardFailure (123)	<ul style="list-style-type: none"> • 7.1.1 • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when a control processor or power-supply tray reports a failure. When the object type is ControlProcessor, a CPM may be unable to boot. When the object type is Power Supply Tray and the alarm is raised during device discovery, a power-supply tray may be out of service. When the object type is a Power Supply Tray and the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
Raising condition: ('operationalState' EQUAL 'Failed')		
Clearing condition: ('operationalState' NOT EQUAL 'Failed')		
Remedial action: If the alarm indicates that the CPM card has a fault, remove the card and reset it. If this does not clear the alarm then please contact Alcatel-Lucent support for assistance. If the alarm indicates that the Power Supply tray is out of service ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 24-49 EquipmentInTest

Alarm	Attributes	Applicable major NE releases
Name: EquipmentInTest (11) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: warning Implicitly cleared: true Default probable cause: equipmentInTest (9)	<ul style="list-style-type: none"> • 7.1.1 • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when equipment enters a diagnostic state.		
Raising condition: ('compositeEquipmentState' EQUAL 'In Test')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'In Test')		
Remedial action: Informational - no corrective action required.		

(2 of 2)

Table 24-50 EquipmentMismatch

Alarm	Attributes	Applicable major NE releases
Name: EquipmentMismatch (9) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: equipmentTypeMismatch (7)	<ul style="list-style-type: none"> • 7.1.1 • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMismatch.		
Raising condition: ('compositeEquipmentState' EQUAL 'Type Mismatch')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Type Mismatch')		
Remedial action: A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

Table 24-51 EquipmentRemoved

Alarm	Attributes	Applicable major NE releases
Name: EquipmentRemoved (8) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: replaceableEquipmentRemoved (6)	<ul style="list-style-type: none"> • 7.1.1 • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMissing.		
Raising condition: (('compositeEquipmentState' EQUAL 'Removed') AND ('isEquipmentInserted' EQUAL 'true'))		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Removed')		
Remedial action: Informational - this alarm is raised when a card is removed.		

Table 24-52 EthernetPortConfiguredLoopback

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortConfiguredLoopback (801) Type: configurationAlarm (11) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: warning Implicitly cleared: true Default probable cause: ethernetPortConfiguredLoopback (567)	<ul style="list-style-type: none"> • 7.1.1 • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when a timed loopback is in effect for an Ethernet port.		
Raising condition: (('Type' NOT EQUAL 'None'))		
Clearing condition: (('Type' EQUAL 'None'))		
Remedial action: This alarm has been raised by the node because "Timed Loopback" option of the specific port's Ethernet property has been enabled. To resolve this problem from "Ethernet" tab of "Physical Port" properties form configure "Timed Loopback" Type property as "None".		

Table 24-53 EthernetPortDuplicateLane

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortDuplicateLane (3557) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: DuplicateLane (1387)	<ul style="list-style-type: none"> • 7.1.1 • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when a device reports a Duplicate Lane on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 24-54 EthernetPortHighBer

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortHighBer (307) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> • 7.1.1 • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when a device reports a high bit-error rate on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: NOT (((('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))))		
Remedial action: One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

(2 of 2)

Table 24-55 EthernetPortLocalFault

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortLocalFault (305) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: LocalFault (236)	<ul style="list-style-type: none"> • 7.1.1 • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when a device reports a local fault on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))))		
Remedial action: One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 24-56 EthernetPortNoAmLock

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortNoAmLock (3558) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoAmLock (1388)	<ul style="list-style-type: none"> • 7.1.1 • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when a device reports a No Am Lock on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 24-57 EthernetPortNoBlockLock

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortNoBlockLock (3559) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoBlockLock (1389)	<ul style="list-style-type: none"> • 7.1.1 • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when a device reports a No Block Lock on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock'))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 24-58 EthernetPortNoFrameLock

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortNoFrameLock (306) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoFrameLock (237)	<ul style="list-style-type: none"> • 7.1.1 • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when a device reports No Frame Lock on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock'))		
Remedial action: One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 24-59 EthernetPortRemoteFault

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortRemoteFault (304) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: RemoteFault (235)	<ul style="list-style-type: none"> • 7.1.1 • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when a device reports a remote fault on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault'))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault'))))		
Remedial action: One of the following conditions exists on the remote physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

(2 of 2)

Table 24-60 EthernetPortSignalFailure

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortSignalFailure (303) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: SignalFailure (234)	<ul style="list-style-type: none"> • 7.1.1 • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when a device reports a signal failure on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))))		
Remedial action: One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 24-61 FanFailure

Alarm	Attributes	Applicable major NE releases
Name: FanFailure (624) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: fanFailure (116)	<ul style="list-style-type: none"> • 7.1.1 • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the associated fan is not operationally Up.		
Raising condition: (('Device State' EQUAL 'Failed') OR ('Device State' EQUAL 'Unknown') OR ('Device State' EQUAL 'OutOfService'))		
Clearing condition: ('Device State' EQUAL 'OK')		
Remedial action: Remove and reset the fan unit. If this does not resolve the problem replace the fan.		

Table 24-62 FanTrayRemoved

Alarm	Attributes	Applicable major NE releases
Name: FanTrayRemoved (569) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: FanTrayRemoved (438)	<ul style="list-style-type: none"> • 7.1.1 • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the deviceState attribute has a value of deviceNotEquipped.		
Raising condition: ('Device State' EQUAL 'Not Equipped')		
Clearing condition: ('Device State' NOT EQUAL 'Not Equipped')		
Remedial action: Informational - a fan tray has been removed from the NE.		

Table 24-63 FrameSizeProblem (netw)

Alarm	Attributes	Applicable major NE releases
Name: FrameSizeProblem (37) Type: configurationAlarm (11) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: frameSizeProblem (33)	<ul style="list-style-type: none"> • 7.1.1 • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when a provisioned MTU size value is greater than the supported MTU size value.		
Raising condition: (('mtuMismatch' EQUAL 'true') AND ('portId' NOT EQUAL '0L'))		
Clearing condition: (('mtuMismatch' EQUAL 'false') OR ('portId' EQUAL '0L'))		
Remedial action: A configuration error has been made which must be corrected. The MTU value must be changed such that is less than or equal to the supported MTU size value.		

Table 24-64 FrameSizeProblem (svt)

Alarm	Attributes	Applicable major NE releases
Name: FrameSizeProblem (37) Type: configurationAlarm (11) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: frameSizeProblem (33)	<ul style="list-style-type: none"> • 7.3.3
Description: The alarm is raised when a provisioned MTU size value is greater than the supported MTU size value.		
Raising condition: (('Operational State' EQUAL 'MTU Mismatch') OR ('Operational State' EQUAL 'Tunnel MTU Too Small'))		
Clearing condition: (('Operational State' NOT EQUAL 'MTU Mismatch') AND ('Operational State' NOT EQUAL 'Tunnel MTU Too Small'))		
Remedial action: The MTU value must be changed such that is is less than or equal to the supported MTU size value.		

Table 24-65 GaPeerDown

Alarm	Attributes	Applicable major NE releases
Name: GaPeerDown (3303) Type: EpcAlarm (59) Package: Iteggns Raised on class: Iteggns.GaPeer	Severity: major Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> • 7.1.1 • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the path management state of a Ga peer changes to a state other than Up.		
Raising condition: ('Path Management State' NOT EQUAL 'Active')		
Clearing condition: ('Path Management State' EQUAL 'Active')		
Remedial action: A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

Table 24-66 IfVlanSubTypeConflict

Alarm	Attributes	Applicable major NE releases
Name: IfVlanSubTypeConflict (213) Type: configurationAlarm (11) Package: vlan Raised on class: vlan.L2AccessInterface	Severity: major Implicitly cleared: true Default probable cause: topologyMisconfigured (81)	<ul style="list-style-type: none"> • 7.1.1 • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when more than one type of VLAN service is configured with the same VLAN ID. The alarm is raised against an L2 access interface.		
Raising condition: ('vlanSubTypeConflict' EQUAL 'true')		
Clearing condition: ('vlanSubTypeConflict' EQUAL 'false')		
Remedial action: Ensure that only one type of VLAN Service is configured with the VLAN ID used by this Interface.		

Table 24-67 IgmpDown

Alarm	Attributes	Applicable major NE releases
Name: IgmpDown (158) Type: ProtocolAlarm (1) Package: igmp Raised on class: igmp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 7.1.1 • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when an IGMP site has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: While configured under VPRN, check if VPRN site is admin down, or if route distinguisher is not configured.		

(2 of 2)

Table 24-68 IgmpSnoopingDown

Alarm	Attributes	Applicable major NE releases
Name: IgmpSnoopingDown (161) Type: ProtocolAlarm (1) Package: layer2 Raised on class: layer2.Bridge	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 7.1.1 • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when IGMP snooping is disabled on an NE and a TLS VLAN or MVR VLAN service is provisioned on the NE.		
Raising condition: ('IGMP Snooping' EQUAL 'Disabled')		
Clearing condition: ('IGMP Snooping' EQUAL 'Enabled')		
Remedial action: To clear the alarm, enable IGMP Snooping under the Bridge Instance.		

Table 24-69 IncompleteConfiguration

Alarm	Attributes	Applicable major NE releases
Name: IncompleteConfiguration (1942) Type: operationalViolation (93) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: incompleteConfig (225)	<ul style="list-style-type: none"> • 7.1.1 • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when a pre-provisioned NE has no objects configured beneath it.		
Raising condition: (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' EQUAL '\'))		
Clearing condition: (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' NOT EQUAL '\'))		
Remedial action: A configuration error has been made which must be corrected. The configuration of the pre-provisioned NE is incomplete. A work order was not associated with the pre-provisioned NE and as a consequence the attempt to auto-configure the NE failed.		

Table 24-70 InterfaceDown (netw)

Alarm	Attributes	Applicable major NE releases
Name: InterfaceDown (36) Type: InterfaceAlarm (13) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> • 7.1.1 • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when an interface or underlying resource fails, as indicated by an interface compositeState attribute value of failed or underlyingResourceFailed.		
Raising condition: (('compositeState' EQUAL 'Inoperable') OR ('compositeState' EQUAL 'Underlying Resource Inoperable'))		
Clearing condition: (('compositeState' NOT EQUAL 'Inoperable') AND ('compositeState' NOT EQUAL 'Underlying Resource Inoperable'))		
Remedial action: A physical port (physical interface, LAG, channel) associated with the network interface in not operation. Ensure that the interface is cabled and that there isn't a configuration error (i.e. MTU size set incorrectly) on the interface. Once the issue w		

Table 24-71 IsisDown

Alarm	Attributes	Applicable major NE releases
Name: IsisDown (19) Type: ProtocolAlarm (1) Package: isis Raised on class: isis.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 7.1.1 • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when an IS-IS site has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: The protocol is not working anymore, could be a problem with IP addresses, resources on the device, ...		

Table 24-72 LabelProblem

Alarm	Attributes	Applicable major NE releases
Name: LabelProblem (98) Type: CircuitAlarm (17) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: labelProblem (84)	<ul style="list-style-type: none"> • 7.3.3
Description: The alarm is raised when an ingress or an egress label is missing.		
Raising condition: (('Operational State' EQUAL 'No Egress Label') OR ('Operational State' EQUAL 'No Ingress Label') OR ('Operational State' EQUAL 'No Labels'))		
Clearing condition: (('Operational State' NOT EQUAL 'No Egress Label') AND ('Operational State' NOT EQUAL 'No Ingress Label') AND ('Operational State' NOT EQUAL 'No Labels'))		

(1 of 2)

24 – Alcatel-Lucent OS10K alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: An ingress or egress label is missing for the SDP binding.		

(2 of 2)

Table 24-73 LagDown

Alarm	Attributes	Applicable major NE releases
Name: LagDown (20) Type: equipmentAlarm (3) Package: lag Raised on class: lag.Interface	Severity: critical Implicitly cleared: true Default probable cause: lagDown (17)	<ul style="list-style-type: none"> • 7.1.1 • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when all ports in a LAG are operationally down.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
Clearing condition: (('operationalState' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: This alarm indicates that all physical Ethernet links associated with a LAG are operationally down. The reasons for the links to be down may vary from link to link. The following possible causes of this alarm should be investigated. The physical port (near end or far end) may have failed - this can be remedied by replacing the interface card in question. The physical links may have been turned down administratively - re-enable the links. A cable failure or disconnect may have occurred - please ensure that the cables are properly connected to the physical port and that the cable has not been damaged.		

Table 24-74 LagPortAddFailed

Alarm	Attributes	Applicable major NE releases
Name: LagPortAddFailed (422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: warning Implicitly cleared: true Default probable cause: linkDown (315)	<ul style="list-style-type: none"> • 7.1.1 • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the Lag Port Add function Fails.		
Raising condition: (('state' EQUAL 'Link Down') AND ('LAG ID' > '0'))		
Clearing condition: (('state' NOT EQUAL 'Link Down') OR ('LAG ID' EQUAL '0'))		
Remedial action: A configuration error has occurred which must be corrected. The link that was to be added to the LAG group may be of the wrong type (i.e. non ethernet) or the limit of the number of links supported in a LAG may have been reached.		

Table 24-75 LicensedLimitExceeded

Alarm	Attributes	Applicable major NE releases
Name: LicensedLimitExceeded (127) Type: licensingAlarm (23) Package: security Raised on class: security.ProductLicense	Severity: critical Implicitly cleared: true Default probable cause: licensedLimitExceeded (106)	<ul style="list-style-type: none"> • 7.1.1 • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the license items in the network exceeds 100 percent of the license capacity.		
Raising condition: ('Exceeded' EQUAL 'true')		
Clearing condition: ('Exceeded' NOT EQUAL 'true')		
Remedial action: Informational - The number of SAM licenses purchased and available on the SAM server is insufficient as compared to the number of NEs/MDA/Cells under management in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

Table 24-76 LinkDown

Alarm	Attributes	Applicable major NE releases
Name: LinkDown (12) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: portLinkProblem (10)	<ul style="list-style-type: none"> • 7.1.1 • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when a port has no associated physical link or remote end point is operationally down.		
Raising condition: (('compositeEquipmentState' EQUAL 'Link Down') OR ('compositeEquipmentState' EQUAL 'Oper Down'))		
Clearing condition: (('compositeEquipmentState' NOT EQUAL 'Link Down') AND ('compositeEquipmentState' NOT EQUAL 'Oper Down'))		
Remedial action: Please make sure that port has physical link and remote end point is operationally up.		

Table 24-77 LowTemperatureDetected

Alarm	Attributes	Applicable major NE releases
Name: LowTemperatureDetected (1127) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOvercooled (838)	<ul style="list-style-type: none"> • 7.1.1 • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the chassis temperature falls below the minimum threshold.		
Raising condition: ('Low Temperature State' EQUAL 'Low')		
Clearing condition: ('Low Temperature State' NOT EQUAL 'Low')		

(1 of 2)

24 – Alcatel-Lucent OS10K alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: The NE has detected internal temperatures which are abnormally low. This may happen when the environment that the NE is operating in may not be within specifications found in the NE user guides.		

(2 of 2)

Table 24-78 LowTemperatureThresholdCrossed

Alarm	Attributes	Applicable major NE releases
Name: LowTemperatureThresholdCrossed (1128) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Environment	Severity: major Implicitly cleared: true Default probable cause: equipmentOvercooled (838)	<ul style="list-style-type: none"> • 7.1.1 • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when a low-temperature threshold is crossed.		
Raising condition: ('lowTemperatureThresholdCrossed' EQUAL 'true')		
Clearing condition: ('lowTemperatureThresholdCrossed' EQUAL 'false')		
Remedial action: The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 24-79 LpsViolation

Alarm	Attributes	Applicable major NE releases
Name: LpsViolation (518) Type: learnedPortSecurityAlarm (51) Package: lps Raised on class: lps.LearnedPortSecurity	Severity: major Implicitly cleared: true Default probable cause: learnedPortSecurityViolation (393)	<ul style="list-style-type: none"> • 7.1.1 • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the 5620 SAM detects an LPS violation.		
Raising condition: ('Operational State' EQUAL 'Security Violated')		
Clearing condition: ('Operational State' EQUAL 'Down')		
Remedial action: Port reset is required to return the port to normal operation.		

Table 24-80 macMoveRateExceeded (service)

Alarm	Attributes	Applicable major NE releases
Name: macMoveRateExceeded (3690) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: minor Implicitly cleared: true Default probable cause: MacMoveRateExceeded (1429)	<ul style="list-style-type: none"> • 7.1.1 • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site.		
Raising condition: ('State Cause'anyBit'Relearn Limit Exceeded')		
Clearing condition: NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		
Remedial action: Informational.		

Table 24-81 macMoveRateExceededNonBlock (service)

Alarm	Attributes	Applicable major NE releases
Name: macMoveRateExceededNonBlock (4893) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: info Implicitly cleared: true Default probable cause: MacMoveRateExceededNonBlock (1951)	<ul style="list-style-type: none"> • 7.1.1 • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site when limitMacMove(sapTIsLimitMacMove) is set to 'nonBlocking'.		
Raising condition: ('State Cause'anyBit'Relearn Limit Exceeded')		
Clearing condition: NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		
Remedial action: Informational - User can adjust the value of 'MAC Move Maximum Rate' to reduce the frequency of this alarm.		

Table 24-82 MepAISReceivedAlarm

Alarm	Attributes	Applicable major NE releases
Name: MepAISReceivedAlarm (2945) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: variable Implicitly cleared: true Default probable cause: missingRemoteMep (388)	<ul style="list-style-type: none"> • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when a MEP Receives AIS test frames from one or more of its sub-layer MEPs.		
Raising condition: (('AIS Received (AisRx)' EQUAL 'true') AND ('Facility VLAN ID' EQUAL '0'))		
Clearing condition: ('AIS Received (AisRx)' EQUAL 'false')		
Remedial action: This alarm indicates that it has received a MEP fault from a sub-layer MEP, user should investigate the fault cause on the sub-layer MEP and resolve this root cause issue.		

Table 24-83 MobileConnectorDown

Alarm	Attributes	Applicable major NE releases
Name: MobileConnectorDown (1064) Type: EpcAlarm (59) Package: Iteservice Raised on class: Iteservice.MobileServiceConnector	Severity: minor Implicitly cleared: true Default probable cause: EpcDown (519)	<ul style="list-style-type: none"> • 7.1.1 • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the 5620 SAM no longer manages the EPS path instance of this mobile service site. As a result, the service must be regenerated.		
Raising condition: ('EPS Path' EQUAL "\")		
Clearing condition: ('EPS Path' NOT EQUAL "\")		
Remedial action: The underlying transport network has gone down resulting in the deletion of a mobile service connector (EPS path). Correct the issue with the transport network and regenerate the mobile service connector by clicking on the re-calculate button on the mobile service properties form.		

Table 24-84 MvrSiteDown

Alarm	Attributes	Applicable major NE releases
Name: MvrSiteDown (162) Type: ProtocolAlarm (1) Package: layer2 Raised on class: layer2.MvrSite	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 7.1.1 • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when MVR is disabled on an NE and a TLS VLAN or MVR VLAN service is provisioned on the NE.		
Raising condition: ('MVR Admin Status' EQUAL 'Disabled')		
Clearing condition: ('MVR Admin Status' EQUAL 'Enabled')		
Remedial action: To clear the alarm, enable MVR Admin Status under the Bridge Instance.		

Table 24-85 NeighborDown

Alarm	Attributes	Applicable major NE releases
Name: NeighborDown (121) Type: NeighborDown (20) Package: ospf Raised on class: ospf.AbstractNeighbor	Severity: major Implicitly cleared: true Default probable cause: NeighborDown (103)	<ul style="list-style-type: none"> • 7.1.1 • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when an OSPF interface neighbor is operationally Down.		
Raising condition: ('Operational State' NOT EQUAL 'full')		
Clearing condition: ('Operational State' EQUAL 'full')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: This alarm is raised when the OSPF interface neighbor is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

(2 of 2)

Table 24-86 NeManagementAndTrapManagementMismatch

Alarm	Attributes	Applicable major NE releases
Name: NeManagementAndTrapManagementMismatch (1079) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: neManagementChange (817)	<ul style="list-style-type: none"> 7.1.1 7.2.1 7.3.1 7.3.2 7.3.3
Description: This user-defined alarm is raised when the NE configuration is one of the following: - The Active Management IP is set to Out Of Band, and the Primary Route Preference is set to In Band. - The Active Management IP is set to In Band, and the Primary Route Preference is set to Out of Band.		
Raising condition: (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only')) AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only')) AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'Out Of Band'))))		
Clearing condition: (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only')) AND ('Primary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only')) AND ('Primary Route Preference' EQUAL 'Out Of Band'))))		
Remedial action: A configuration error has been made which must be corrected. The parameters described in the description for this alarm must match.		

Table 24-87 NewSsh2ServerKeyDetected

Alarm	Attributes	Applicable major NE releases
Name: NewSsh2ServerKeyDetected (285) Type: communicationsAlarm (4) Package: security Raised on class: security.KnownHostKey	Severity: warning Implicitly cleared: true Default probable cause: ssh2ServerKeyMismatch (217)	<ul style="list-style-type: none"> 7.1.1 7.2.1 7.3.1 7.3.2 7.3.3
Description: The alarm is raised when a 5620 SAM main server detects a new public SSH key.		
Raising condition: ('SSH2 Server Key Status' EQUAL 'Mismatch SSH2 Host Key')		
Clearing condition: ('SSH2 Server Key Status' EQUAL 'Active SSH2 Host Key')		
Remedial action: Informational - possible security breach. The SSH key of the router is different from the one known to the SAM server.		

Table 24-88 NodeDatabaseFallbackDetected

Alarm	Attributes	Applicable major NE releases
Name: NodeDatabaseFallbackDetected (2923) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseFallback (1121)	<ul style="list-style-type: none"> • 7.1.1 • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when a configuration fallback is detected on the node and comes back up with a previous configuration. To correct this situation it might be necessary to reconfigure the node, or perform full resync its database with the 'fallback' configuration returned by the node.		
Raising condition: ('State' EQUAL 'Node Configuration Fallback')		
Clearing condition: ('State' EQUAL 'Managed')		
Remedial action: the NE has come back to a previous configuration. Perform a manual Full Resync or a Reconfigure of the NE		

Table 24-89 NodeDatabaseMisalignmentDetected

Alarm	Attributes	Applicable major NE releases
Name: NodeDatabaseMisalignmentDetected (2924) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseMisalignment (1122)	<ul style="list-style-type: none"> • 7.1.1 • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when a configuration misalignment has been detected on the node and comes back up with an unexpected configuration (configuration change triggered by external tool) To correct this situation it might be necessary to reconfigure the node with the 5620 SAM's old configuration or accept the new configuration received from the node.		
Raising condition: ('State' EQUAL 'Node Configuration Misalignment')		
Clearing condition: ('State' EQUAL 'Managed')		
Remedial action: the NE configuration is misaligned. Perform a resync in order to update SAM configuration according to the NE.		

Table 24-90 NodeSuspended

Alarm	Attributes	Applicable major NE releases
Name: NodeSuspended (5123) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: NodeSuspend (2057)	<ul style="list-style-type: none"> • 7.1.1 • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the 5620 SAM detects an NE moved to suspend state as per user request.		
Raising condition: ('SNMP Reachability' EQUAL 'Suspended')		
Clearing condition: ('SNMP Reachability' NOT EQUAL 'Suspended')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: This alarm is raised when user suspends the network element. The alarm will be cleared when the network element is managed back.		

(2 of 2)

Table 24-91 OrphanNodeDetected

Alarm	Attributes	Applicable major NE releases
Name: OrphanNodeDetected (4866) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.AdvertisedNode	Severity: major Implicitly cleared: true Default probable cause: nodeNotMangedByAnyEms (1934)	<ul style="list-style-type: none"> • 7.1.1 • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when node is node managed by any EMS after n retries(threshold crossed) it is manually cleared by the operator or when the node is discovered.		
Raising condition: ('state' EQUAL 'orphan')		
Remedial action: The NE is not managed by any SAM. Add an discory rule in order to managed it.		

Table 24-92 OspflInterfaceDown

Alarm	Attributes	Applicable major NE releases
Name: OspflInterfaceDown (141) Type: OspflInterfaceDown (24) Package: ospf Raised on class: ospf.Interface	Severity: warning Implicitly cleared: true Default probable cause: OspflInterfaceDown (112)	<ul style="list-style-type: none"> • 7.1.1 • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when an OSPF interface is operationally down.		
Raising condition: ('operationalState' EQUAL 'Down')		
Clearing condition: ('operationalState' NOT EQUAL 'Down')		
Remedial action: This alarm is raised when the OSPF interface is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 24-93 OverTemperatureDetected

Alarm	Attributes	Applicable major NE releases
Name: OverTemperatureDetected (388) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> • 7.1.1 • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the chassis temperature exceeds the maximum threshold value.		
Raising condition: ('Over Temperature State' EQUAL 'Over')		
Clearing condition: ('Over Temperature State' NOT EQUAL 'Over')		
Remedial action: The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 24-94 PartialResyncProblem

Alarm	Attributes	Applicable major NE releases
Name: PartialResyncProblem (4401) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: partialResyncProblem (1578)	<ul style="list-style-type: none"> • 7.1.1 • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when an Partial Resync on an NE fails. For example, when resyncing only some MIB entries as opposed to a full resync. The periodic reachability test (sysUpTime) is not considered a partial resync, neither is a full resync. However, a PartialResyncProblem alarm can only be reset by a FullResync.		
Raising condition: ('partialResyncStatus' EQUAL 'Partial Resync Failed')		
Clearing condition: ('partialResyncStatus' EQUAL 'Partial Resync Done')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE.		

Table 24-95 PersistentIndexParametersMisconfigured

Alarm	Attributes	Applicable major NE releases
Name: PersistentIndexParametersMisconfigured (173) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: persistentIndexConfigurationMismatch (136)	<ul style="list-style-type: none"> • 7.1.1 • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when persistence is set to Off in the NE BOF.		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Raising condition: (('Persistent SNMP Indices' EQUAL 'False') OR (('hasRedundantProcessorCards' EQUAL 'true') AND ('Redundant Synchronization Mode' EQUAL 'None')))		
Clearing condition: (('Persistent SNMP Indices' EQUAL 'True') AND (('hasRedundantProcessorCards' EQUAL 'false') OR ('Redundant Synchronization Mode' NOT EQUAL 'None')))		
Remedial action: A configuration error has occurred that must be corrected. Use the CLI on the NE to enable persistency in the BOF. The discovery process will complete on the next discovery scan. A re-scan can be triggered immediately for the NE from within the discovery manager		

(2 of 2)

Table 24-96 PimDown

Alarm	Attributes	Applicable major NE releases
Name: PimDown (184) Type: ProtocolAlarm (1) Package: pim Raised on class: pim.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 7.1.1 • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when a PIM site is administratively Up but operationally Down. The alarm is cleared when the PIM site becomes operationally Up but administratively Down.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: This should never happen. Contact Alcatel-Lucent Customer Support for assistance.		

Table 24-97 PollerProblem

Alarm	Attributes	Applicable major NE releases
Name: PollerProblem (31) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: resyncFailed (24)	<ul style="list-style-type: none"> • 7.1.1 • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
Raising condition: ('Resync Status' EQUAL 'Full Resync Failed')		
Clearing condition: ('Resync Status' EQUAL 'Full Resync Done')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 24-98 PowerSupplyFailure

Alarm	Attributes	Applicable major NE releases
Name: PowerSupplyFailure (633) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: critical Implicitly cleared: true Default probable cause: powerSupplyFailure (117)	<ul style="list-style-type: none"> • 7.1.1 • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when a power-supply tray reports a failure. When the alarm is raised during device discovery, a power-supply tray may be out of service. When the alarm is raised while the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
Raising condition: (('Power Supply 1 Status' EQUAL 'Not Equipped') OR ('Power Supply 1 Status' EQUAL 'Failed'))		
Clearing condition: (('Power Supply 1 Status' EQUAL 'OK'))		
Remedial action: Ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 24-99 PowerSupplyInputFeedDown

Alarm	Attributes	Applicable major NE releases
Name: PowerSupplyInputFeedDown (5422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: minor Implicitly cleared: true Default probable cause: powerSupplyInputFeedDown (2073)	<ul style="list-style-type: none"> • 7.1.1 • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: This alarm is generated if any one of the input feeds for a given power supply is not supplying power.		
Raising condition: (('Input Feed Status' EQUAL 'Input A Down') OR ('Input Feed Status' EQUAL 'Input B Down') OR (('Input Feed Status'allBits'Input A Down') AND ('Input Feed Status'allBits'Input B Down'))		
Clearing condition: ('Input Feed Status' EQUAL 'None')		
Remedial action: Restore all of the input feeds that are not supplying power.		

Table 24-100 PowerSupplyRemoved

Alarm	Attributes	Applicable major NE releases
Name: PowerSupplyRemoved (542) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: major Implicitly cleared: true Default probable cause: PowerSupplyRemoved (415)	<ul style="list-style-type: none"> • 7.1.1 • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when a chassis power supply is removed.		
Raising condition: ('Power Supply 1 Status' EQUAL 'Not Equipped')		
Clearing condition: ('Power Supply 1 Status' NOT EQUAL 'Not Equipped')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: To recover from this event, the customer is requested to add a new power supply to the system, or change a faulty power supply with a working one.		

(2 of 2)

Table 24-101 PrimaryImageBootFailure

Alarm	Attributes	Applicable major NE releases
Name: PrimaryImageBootFailure (191) Type: configurationAlarm (11) Package: sw Raised on class: sw.CardSoftware	Severity: warning Implicitly cleared: true Default probable cause: bootOptionFileMisconfigured (150)	<ul style="list-style-type: none"> • 7.1.1 • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the primary software image specified in an NE BOF is unusable.		
Raising condition: (('imageSource' NOT EQUAL 'Primary') AND ('imageSource' NOT EQUAL 'Unknown'))		
Clearing condition: (('imageSource' EQUAL 'Primary') OR ('imageSource' EQUAL 'Unknown'))		
Remedial action: The SW image on the NE may have been inadvertently corrupted. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

Table 24-102 RadiusOperStatusDown

Alarm	Attributes	Applicable major NE releases
Name: RadiusOperStatusDown (3692) Type: radiusOperStatusDownAlarm (105) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: radiusOperationStatusDown (1431)	<ul style="list-style-type: none"> • 7.1.1 • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when all RADIUS servers have gone down.		
Raising condition: ('Global RADIUS Operational State' EQUAL 'Down')		
Clearing condition: ('Global RADIUS Operational State' EQUAL 'Up')		
Remedial action: Verify the RADIUS server is properly configured and radius server state is up. Check the connectivity between SAM server and radius server configured on the Network element.		

Table 24-103 ReachabilityProblem

Alarm	Attributes	Applicable major NE releases
Name: ReachabilityProblem (243) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ReachabilityTestFailed (176)	<ul style="list-style-type: none"> • 7.1.1 • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when an Mediation poll of the SysUpTimeAlarm object on an NE fails, for example, because of network congestion or because the NE is too busy to respond. The probable cause is an unreachable NE Mediation agent on the NE. By default, the 5620 SAM polls a managed NE every two minutes. If a poll fails, the alarm is raised. The 5620 SAM polls the NE two minutes after the first failure. If successive polls fail, the 5620 SAM raises the polling interval for the NE by two minutes after each failure to a maximum of 12 min. The polling interval remains at 12 min until the 5620 SAM receives a response from the NE. The alarm clears when the 5620 SAM receives a response from the NE, and the 5620 SAM GUI icon that represents the NE turns from red to green.		
Raising condition: ('SNMP Reachability' EQUAL 'Down')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 24-104 ReconfigFailure

Alarm	Attributes	Applicable major NE releases
Name: ReconfigFailure (1949) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: failedReconfig (937)	<ul style="list-style-type: none"> • 7.1.1 • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: This alarm is raised when the reconfig action failed.		
Raising condition: ('State' EQUAL 'Failed')		
Clearing condition: ('State' NOT EQUAL 'Failed')		
Remedial action: Verify that the object is configured as expected.		

Table 24-105 RedundantMepMisconfiguration

Alarm	Attributes	Applicable major NE releases
Name: RedundantMepMisconfiguration (3631) Type: oamAlarm (18) Package: ethernetOam Raised on class: ethernetOam.Mep	Severity: minor Implicitly cleared: true Default probable cause: misconfiguredRedundantMep (1416)	<ul style="list-style-type: none"> • 7.1.1 • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when an Active and Redundant MEP do not have the same Id, Operational MAC Address or Sub Group configured.		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Raising condition: ('validRedundantMepConfig' EQUAL 'false')		
Clearing condition: ('validRedundantMepConfig' EQUAL 'true')		
Remedial action: MC-LAG redundant MEP configuration (MEP ID or Mac Address) for Active & Standby Interfaces do not match, this could cause issues with CFM or CCM tests if Active interface changes. Delete and Re-create Standby MEP to match Active.		

(2 of 2)

Table 24-106 RedundantMepMissing

Alarm	Attributes	Applicable major NE releases
Name: RedundantMepMissing (3632) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: minor Implicitly cleared: true Default probable cause: missingRedundantMep (1417)	<ul style="list-style-type: none"> • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when a MEP misses a redundant counterpart on LAG or SAP.		
Raising condition: (('MC-LAG Inactive' NOT EQUAL 'Not Applicable') AND ('Redundant MEP' EQUAL '\'))		
Clearing condition: (('MC-LAG Inactive' EQUAL 'Not Applicable') OR (('MC-LAG Inactive' NOT EQUAL 'Not Applicable') AND ('Redundant MEP' NOT EQUAL '\')))		
Remedial action: MC-LAG redundant MEP is missing Active & Standby Interfaces, this will cause issues with CFM or CCM tests if Active interface changes. Create missing Active/Standby MEP to match existing.		

Table 24-107 RemoteMepCCMAAlarm

Alarm	Attributes	Applicable major NE releases
Name: RemoteMepCCMAAlarm (502) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: major Implicitly cleared: true Default probable cause: missingRemoteMep (388)	<ul style="list-style-type: none"> • 7.1.1 • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when a MEP loses connectivity with one or more remote MEPs. The Remote MEP DB State tab on a MEP lists the missing remote MEPs.		
Raising condition: ('High-Priority Defect' NOT EQUAL '0')		
Clearing condition: ('High-Priority Defect' EQUAL '0')		
Remedial action: MEP has lost communication with Remote MEP defined in Maintenance Association (MEG) Remote MEP list, Either Remote MEP list is incorrect or diagnose connection fault and resolve.		

Table 24-108 RipDown

Alarm	Attributes	Applicable major NE releases
Name: RipDown (72) Type: ProtocolAlarm (1) Package: rip Raised on class: rip.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 7.1.1 • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when a RIP site has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: The RIP Site is down while it is administratively up. Please check the node e.g. IOM is not shutdown or installed.		

Table 24-109 SaveConfigFailed

Alarm	Attributes	Applicable major NE releases
Name: SaveConfigFailed (105) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileAccessError (90)	<ul style="list-style-type: none"> • 7.1.1 • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the admin save command on an NE fails.		
Raising condition: ('Config Save State' EQUAL 'Failure')		
Clearing condition: ('Config Save State' EQUAL 'Success')		
Remedial action: Attempt the admin save command a second time. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 24-110 ScheduledPollerProblem

Alarm	Attributes	Applicable major NE releases
Name: ScheduledPollerProblem (4386) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: scheduledResyncFailed (1569)	<ul style="list-style-type: none"> • 7.1.1 • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
Raising condition: ('Scheduled Resync Status' EQUAL 'Scheduled Resync Failed')		
Clearing condition: ('Scheduled Resync Status' EQUAL 'Scheduled Resync Done')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

(2 of 2)

Table 24-111 SdpBindingDown

Alarm	Attributes	Applicable major NE releases
Name: SdpBindingDown (221) Type: SdpBindingAlarm (30) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: SdpBindingNotReady (166)	<ul style="list-style-type: none"> 7.3.3
Description: The alarm is raised when an SDP binding has an Operational State other than Up.		
Raising condition: (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'Standby For BGP Multi-Homing'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'Standby For BGP Multi-Homing'))		
Remedial action: To resolve this alarm check the SDP binding to determine if a configuration mismatch exists. If configuration is determined to be correct then the associated network interface may be down. Further investigation is required to determine why the underlying network interface is down.		

Table 24-112 SdpBindingTunnelDown

Alarm	Attributes	Applicable major NE releases
Name: SdpBindingTunnelDown (222) Type: CircuitAlarm (17) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: SdpTunnelNotReady (167)	<ul style="list-style-type: none"> 7.3.3
Description: The alarm is raised when an SDP binding tunnel has an Operational State other than Up.		
Raising condition: (('Operational State' EQUAL 'Tunnel Not Ready') OR ('Operational State' EQUAL 'Tunnel Down'))		
Clearing condition: (('Operational State' NOT EQUAL 'Tunnel Not Ready') AND ('Operational State' NOT EQUAL 'Tunnel Down'))		
Remedial action: To resolve this alarm check the endpoints of the SDP binding to determine if a configuration mismatch exists. If configuration matches then the underlying network resource between the endpoints of the SDP may be down. Further investigation is required to determine why the underlying transport network is down.		

Table 24-113 ServiceSiteDown

Alarm	Attributes	Applicable major NE releases
Name: ServiceSiteDown (97) Type: serviceAlarm (16) Package: service Raised on class: service.Site	Severity: critical Implicitly cleared: true Default probable cause: siteDown (83)	<ul style="list-style-type: none"> • 7.1.1 • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when all SAPs on a site are operationally down, or when the service tunnels for the site are operationally down.		
Raising condition: (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'All Spoke SDP Bindings are Standby'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'All Spoke SDP Bindings are Standby'))		
Remedial action: The network resources (i.e. physical ports for SAPs, or physical ports/LSP) associated with the service site should be examined to determine if/why they are operationally down. The underlying transport network supporting the site may also be unreliable.		

Table 24-114 SiteManagementVlanConflict

Alarm	Attributes	Applicable major NE releases
Name: SiteManagementVlanConflict (223) Type: configurationAlarm (11) Package: vlan Raised on class: vlan.Site	Severity: warning Implicitly cleared: true Default probable cause: topologyMisconfigured (81)	<ul style="list-style-type: none"> • 7.1.1 • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the management VLAN ID is used for another type of service.		
Raising condition: ('managementVlanConflict' EQUAL 'true')		
Clearing condition: ('managementVlanConflict' EQUAL 'false')		
Remedial action: Ensure that the VLAN ID of this Management Service Site is not used on any other type of VLAN Service Site.		

Table 24-115 SiteVlanSubTypeConflict

Alarm	Attributes	Applicable major NE releases
Name: SiteVlanSubTypeConflict (224) Type: configurationAlarm (11) Package: vlan Raised on class: vlan.Site	Severity: major Implicitly cleared: true Default probable cause: topologyMisconfigured (81)	<ul style="list-style-type: none"> • 7.1.1 • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when more than one type of VLAN service has the same VLAN ID. The alarm is raised against a site.		
Raising condition: ('vlanSubTypeConflict' EQUAL 'true')		
Clearing condition: ('vlanSubTypeConflict' EQUAL 'false')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: Ensure that only one type of VLAN Service is configured with the VLAN ID used by this Site.		

(2 of 2)

Table 24-116 SpbSiteDown

Alarm	Attributes	Applicable major NE releases
Name: SpbSiteDown (4396) Type: ProtocolAlarm (1) Package: spb Raised on class: spb.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> 7.3.3
Description: The alarm is raised when an SPB site has an Operational State other than Up.		
Raising condition: ('Operational State' NOT EQUAL 'Up')		
Clearing condition: ('Operational State' EQUAL 'Up')		
Remedial action: Check if the administrative state is down. If the administrative state is up, then check the ISIS instance associated with the SPB and make sure it is up.		

Table 24-117 StatsRetrieveFailed

Alarm	Attributes	Applicable major NE releases
Name: StatsRetrieveFailed (244) Type: configurationAlarm (11) Package: sw Raised on class: sw.AccountingStatsRetrievalManager	Severity: major Implicitly cleared: false Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> 7.1.1 7.2.1 7.3.1 7.3.2 7.3.3
Description: The alarm is raised when the 5620 SAM main or auxiliary server cannot transfer an accounting file from an NE.		
Raising condition: (('Stats Retrieval State' NOT EQUAL 'Success') AND ('Stats Retrieval State' NOT EQUAL 'Not Attempted'))		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy or otherwise cannot respond to the 5620 SAM main or auxiliary server.		

Table 24-118 SubscriberSystemNextHopUsageHigh

Alarm	Attributes	Applicable major NE releases
Name: SubscriberSystemNextHopUsageHigh (5157) Type: thresholdCrossed (6) Package: netw Raised on class: netw.NetworkElement	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> 7.1.1 7.2.1 7.3.1 7.3.2 7.3.3

(1 of 2)

24 – Alcatel-Lucent OS10K alarms

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit.		
Raising condition: ('IP Next Hop Usage High' EQUAL 'true')		
Clearing condition: ('IP Next Hop Usage High' EQUAL 'false')		
Remedial action: The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit. There is no immediate effect, but when the usage actually hits the limit, new hosts will not get their managed routes.		

(2 of 2)

Table 24-119 TemperatureThresholdCrossed

Alarm	Attributes	Applicable major NE releases
Name: TemperatureThresholdCrossed (7) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Environment	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> • 7.1.1 • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when a temperature crosses a threshold.		
Raising condition: ('temperatureThresholdCrossed' EQUAL 'true')		
Clearing condition: ('temperatureThresholdCrossed' EQUAL 'false')		
Remedial action: The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 24-120 TmnxEqPortEtherLoopDetected

Alarm	Attributes	Applicable major NE releases
Name: TmnxEqPortEtherLoopDetected (461) Type: portEtherLoopDetected (48) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> • 7.1.1 • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when a device detects a physical loop on an Ethernet port.		
Raising condition: (('Down When Looped Status' EQUAL 'Loop Detected'))		
Clearing condition: (('Down When Looped Status' EQUAL 'No Loop Detected'))		
Remedial action: An Ethernet port has been mis-cabled - please remove the loopback cable on the port.		

Table 24-121 TrapDestinationMisconfigured

Alarm	Attributes	Applicable major NE releases
Name: TrapDestinationMisconfigured (33) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: trapDestinationMisconfigured (26) Applicable probable causes: <ul style="list-style-type: none"> trapDestinationMisconfigured duplicateTrapLogId 	<ul style="list-style-type: none"> 7.1.1 7.2.1 7.3.1 7.3.2 7.3.3
Description: The alarm is raised when the 5620 SAM cannot be added to the NE's SNMP trap destinations.		
Raising condition: ('isTrapDestinationMisconfigured' EQUAL 'true')		
Clearing condition: ('isTrapDestinationMisconfigured' EQUAL 'false')		
Remedial action: A configuration error has been made which must be corrected. The SNMP trap destination on the NE must be configured to the IP address of the SAM server.		

Table 24-122 TrapReceivingFailure

Alarm	Attributes	Applicable major NE releases
Name: TrapReceivingFailure (1083) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: false Default probable cause: trapsWillNotBeSent (822)	<ul style="list-style-type: none"> 7.1.1 7.2.1 7.3.1 7.3.2 7.3.3
Description: This user-defined alarm is raised when the NE is unable to send traps because the NE configuration is one of the following: - The Management IP Selection is set to Out Of Band Only, the Primary Route Preference is set to In Band, and the Secondary Route Preference is set to None. - The Management IP Selection is set to In Band Only, the Primary Route Preference is set to Out Of Band, and the Secondary Route Preference is set to None.		
Raising condition: (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
Clearing condition: (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND (('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND (('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND (('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND (('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND (('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND (('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band'))))		
Remedial action: A configuration error has been made which must be corrected. The configuration error must be corrected per the discussion in the description for this alarm.		

Table 24-123 TrapRoutePreferenceRedundancyMissing

Alarm	Attributes	Applicable major NE releases
Name: TrapRoutePreferenceRedundancyMissing (1084) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: trapsRedundancyMissing (823)	<ul style="list-style-type: none"> • 7.1.1 • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The user-defined alarm is raised when NE management redundancy is configured without trap route preference redundancy.		
Raising condition: (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
Clearing condition: (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Secondary Route Preference' NOT EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Secondary Route Preference' NOT EQUAL 'None'))))		
Remedial action: A configuration error has been made which must be corrected. The IP address of the standby SAM server must be configured on the NE in question.		

Table 24-124 UnidentifiedNode

Alarm	Attributes	Applicable major NE releases
Name: UnidentifiedNode (1922) Type: communicationsAlarm (4) Package: netw Raised on class: netw.DiscoveredNode	Severity: major Implicitly cleared: true Default probable cause: unidentifiedNode (922)	<ul style="list-style-type: none"> • 7.1.1 • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the node being discovered can not be properly identified.		
Raising condition: ('State' EQUAL 'Pending Identification')		
Clearing condition: ('State' NOT EQUAL 'Pending Identification')		
Remedial action: A configuration error has occurred that must be corrected. The eNodeB does not have a system name. The name can be configured by selecting the alarm, opening the associated properties form for the alarmed object and configuring the system name.		

Table 24-125 UnmanageFailed

Alarm	Attributes	Applicable major NE releases
Name: UnmanageFailed (300) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.NodeDiscoveryControl	Severity: warning Implicitly cleared: true Default probable cause: unableToDeleteNode (231)	<ul style="list-style-type: none"> • 7.1.1 • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when an attempt to unmanage an NE fails.		
Raising condition: ('Site State' EQUAL 'unmanage failed')		
Clearing condition: ('Site State' NOT EQUAL 'unmanage failed')		
Remedial action: Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

(2 of 2)

Table 24-126 unsupportedPortUsage

Alarm	Attributes	Applicable major NE releases
Name: unsupportedPortUsage (5184) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: warning Implicitly cleared: true Default probable cause: incompatiblePortUsage (2100)	<ul style="list-style-type: none"> • 7.1.1 • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised in case unsupported port type is configured		
Raising condition: (('portId' >= '1L') AND ('portId' <= '4L') AND ('specificCardType' EQUAL 'EASv2') AND (('Port Usage' EQUAL 'MPT-HC') OR ('Port Usage' EQUAL 'MPT-MC')))"		
Clearing condition: NOT (((('portId' >= '1L') AND ('portId' <= '4L') AND ('specificCardType' EQUAL 'EASv2') AND (('Port Usage' EQUAL 'MPT-HC') OR ('Port Usage' EQUAL 'MPT-MC')))))"		
Remedial action: This alarm indicates unsupported port usage. Port usage configured on the NE is not supported by SAM.		

Table 24-127 UpgradedBuildVersionMismatch

Alarm	Attributes	Applicable major NE releases
Name: UpgradedBuildVersionMismatch (174) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: upgradedImageNotBooted (137)	<ul style="list-style-type: none"> • 7.1.1 • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the software version that an NE reports after a software upgrade does not match the version of the software used for the upgrade.		
Raising condition: ('upgradedBuildVersionMismatch' EQUAL 'true')		
Clearing condition: ('upgradedBuildVersionMismatch' EQUAL 'false')		
Remedial action: Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 24-128 upgradedCardAlarm

Alarm	Attributes	Applicable major NE releases
Name: upgradedCardAlarm (255) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: upgradedCard (194)	<ul style="list-style-type: none"> • 7.1.1 • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the standby CPM is rebooted and operational after a software upgrade. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
Raising condition: ('operationalState' EQUAL 'Upgrade')		
Clearing condition: ('operationalState' EQUAL 'Up')		
Remedial action: Informational - no corrective action required.		

Table 24-129 VersionConfigRestoreFailed

Alarm	Attributes	Applicable major NE releases
Name: VersionConfigRestoreFailed (536) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: versionMismatch (405)	<ul style="list-style-type: none"> • 7.1.1 • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the restore procedure on an NE fails because of a mismatch between the backup file set version and the NE software version.		
Raising condition: ('lastNmsVersionRestoreState' EQUAL 'Failure')		
Clearing condition: ('lastNmsVersionRestoreState' EQUAL 'Success')		
Remedial action: The backup files being restored do not match with the version of node software release. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

Table 24-130 VirtualLinkDown

Alarm	Attributes	Applicable major NE releases
Name: VirtualLinkDown (122) Type: VirtualLinkAlarm (21) Package: ospf Raised on class: ospf.VirtualLink	Severity: warning Implicitly cleared: true Default probable cause: VirtualLinkDown (104)	<ul style="list-style-type: none"> • 7.1.1 • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when a virtual link is Down.		
Raising condition: ('Operational State' EQUAL 'Down')		
Clearing condition: ('Operational State' NOT EQUAL 'Down')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: This alarm is raised when the OSPF virtual link is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

(2 of 2)

Table 24-131 VirtualNeighborDown

Alarm	Attributes	Applicable major NE releases
Name: VirtualNeighborDown (123) Type: VirtualNeighborDown (22) Package: ospf Raised on classes: <ul style="list-style-type: none"> ospf.ShamLink ospf.VirtualLink 	Severity: warning Implicitly cleared: true Default probable cause: VirtualNeighborDown (105)	<ul style="list-style-type: none"> 7.1.1 7.2.1 7.3.1 7.3.2 7.3.3
Description: The alarm is raised when a neighbor virtual link is operationally down.		
Raising condition: ('neighborCount' EQUAL '0L')		
Clearing condition: ('neighborCount' NOT EQUAL '0L')		
Remedial action: This alarm is raised when the OSPF neighbor virtual link is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 24-132 WrongCpaaSoftwareVersion

Alarm	Attributes	Applicable major NE releases
Name: WrongCpaaSoftwareVersion (791) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: wrongCpaaSoftwareVersion (559)	<ul style="list-style-type: none"> 7.1.1 7.2.1 7.3.1 7.3.2 7.3.3
Description: The alarm is raised when the 7701 CPAA software is the wrong version and requires an upgrade.		
Raising condition: (('Software Version' EQUAL "\"TiMOS-B-3.0.Generic \") AND ('Chassis Type' EQUAL '7701 CPAA'))		
Clearing condition: (('Software Version' NOT EQUAL "\"TiMOS-B-3.0.Generic \") AND ('Chassis Type' EQUAL '7701 CPAA'))		
Remedial action: The SW version of the CPAA must be upgraded to the version compatible with CPAM version.		

25 — Alcatel-Lucent OS6250 alarms



Note — Some alarms that the 5620 SAM can raise against this device may not be listed in this chapter. Associating alarms with specific NE types is an ongoing Alcatel-Lucent effort. If the 5620 SAM raises an alarm against this device type, and the alarm is not described in this chapter, see chapter 35 for information about the alarm.

Table 25-1 AccessInterfaceDown

Alarm	Attributes	Applicable major NE releases
Name: AccessInterfaceDown (249) Type: AccessInterfaceAlarm (32) Package: service Raised on class: service.AccessInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> • 6.6.1 • 6.6.2 • 6.6.3 • 6.6.4
Description: The alarm is raised when an L2 or L3 interface operational state is Down. The alarm is not raised against an L2 access interface that is associated with an MC ring or MC LAG in the standby state.		
Raising condition: (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'Standby For MC-Ring') AND ('State Cause' NOT EQUAL 'Standby For MC-Lag') AND ('State Cause' NOT EQUAL 'Standby For BGP Multi-homing'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'Standby For MC-Ring') OR ('State Cause' EQUAL 'Standby For MC-Lag') OR ('State Cause' EQUAL 'Standby For BGP Multi-homing'))		
Remedial action: The condition exists because the physical interface is down either because it is administratively disabled, faulty or a cabling fault has occurred. Ensure that the interface is administratively up. Check for a poor cable connection to the port or for a faulty cable/fiber. If neither appears to be the problem run diagnostics on the port to determine if it is faulty.		

Table 25-2 ActiveAbnormalCondition

Alarm	Attributes	Applicable major NE releases
Name: ActiveAbnormalCondition (3938) Type: activeAbnormalConditionAlarm (116) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ActiveAbnormalConditionState (1520)	<ul style="list-style-type: none"> • 6.6.1 • 6.6.2 • 6.6.3 • 6.6.4
Description: The alarm is an indication for abnormal condition on NE.		
Raising condition: ('abnormalCondition' EQUAL 'true')		
Clearing condition: ('abnormalCondition' EQUAL 'false')		
Remedial action: This alarm is raised when there is a abnormal state indication on NE.		

Table 25-3 AGWDiameterPeerDown

Alarm	Attributes	Applicable major NE releases
Name: AGWDiameterPeerDown (844) Type: EpcAlarm (59) Package: lte Raised on class: lte.AGWDiameterPeer	Severity: variable Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> • 6.6.1 • 6.6.2 • 6.6.3 • 6.6.4
Description: The alarm is raised when the path management state of a Diameter peer changes to a state other than Up.		
Raising condition: ('Path Diameter Management State' NOT EQUAL 'Active')		
Clearing condition: ('Path Diameter Management State' EQUAL 'Active')		
Remedial action: A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

Table 25-4 AuxiliaryServerStatus

Alarm	Attributes	Applicable major NE releases
Name: AuxiliaryServerStatus (311) Type: communicationsAlarm (4) Package: server Raised on class: server.AuxiliaryServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> • 6.6.1 • 6.6.2 • 6.6.3 • 6.6.4
Description: The alarm is raised when a 5620 SAM main server cannot communicate with an auxiliary server. The alarm clears when communication is restored.		
Raising condition: ('Server Status' EQUAL 'Down')		
Clearing condition: ('Server Status' EQUAL 'Up')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the AUX and SAM servers is unreliable.		

Table 25-5 BootableConfigBackupFailed

Alarm	Attributes	Applicable major NE releases
Name: BootableConfigBackupFailed (103) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> • 6.6.1 • 6.6.2 • 6.6.3 • 6.6.4
Description: The alarm is raised when the 5620 SAM fails to back up a set of NE configuration files.		
Raising condition: ('Backup State' EQUAL 'Failure')		
Clearing condition: ('Backup State' EQUAL 'Success')		
Remedial action: Investigation is required to resolve the following possible scenarios: insufficient disk space is available to accommodate the NE configuration files (additional SAM platform alarms will accompany this alarm); the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

Table 25-6 BootableConfigRestoreFailed

Alarm	Attributes	Applicable major NE releases
Name: BootableConfigRestoreFailed (104) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> • 6.6.1 • 6.6.2 • 6.6.3 • 6.6.4
Description: The alarm is raised when the 5620 SAM fails to restore a set of NE configuration files.		
Raising condition: ('Restore State' EQUAL 'Failure')		
Clearing condition: ('Restore State' EQUAL 'Success')		
Remedial action: Investigation is required to resolve the following possible scenarios: the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

Table 25-7 BootParametersMisconfigured

Alarm	Attributes	Applicable major NE releases
Name: BootParametersMisconfigured (35) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: persistentIndexFailure (30) Applicable probable causes: <ul style="list-style-type: none"> • persistentIndexFailure • configFileBootFailure 	<ul style="list-style-type: none"> • 6.6.1 • 6.6.2 • 6.6.3 • 6.6.4
Description: The alarm is raised when the SNMP Index Boot Status on an NE is not set to Persistent.		
Raising condition: (('isGenericNode' EQUAL 'false') AND ('State' NOT EQUAL 'Pre-provisioned') AND (('Config File Status' NOT EQUAL 'Executed Successfully') OR ('Persistent Index Status' NOT EQUAL 'Rebuild Succeeded')))		

(1 of 2)

25 – Alcatel-Lucent OS6250 alarms

Alarm	Attributes	Applicable major NE releases
Clearing condition: (('Config File Status' EQUAL 'Executed Successfully') AND ('Persistent Index Status' EQUAL 'Rebuild Succeeded'))		
Remedial action: Ensure that "SNMP Index Boot Status" is persistent (using cli command "show system information" on the NE). If not, unmanage the network element from SAM, ensure that "persist on" is set in the bof file, save the bof, save a config file, verify that an index file (.ndx) is saved as well, reboot the router, verify that SNMP Index Boot Status is persistent and finally remanage the router from SAM.		

(2 of 2)

Table 25-8 ClientDelegateServerStatus

Alarm	Attributes	Applicable major NE releases
Name: ClientDelegateServerStatus (731) Type: communicationsAlarm (4) Package: server Raised on class: server.ClientDelegateServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> • 6.6.1 • 6.6.2 • 6.6.3 • 6.6.4
Description: The alarm is raised when a client delegate server is unreachable.		
Raising condition: ('Server Status' EQUAL 'Down')		
Clearing condition: ('Server Status' EQUAL 'Up')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the client delegate platform and SAM servers is unreliable or the client delegate server itself is unreliable.		

Table 25-9 ContainingEquipmentAdministrativelyDown

Alarm	Attributes	Applicable major NE releases
Name: ContainingEquipmentAdministrativelyDown (466) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: minor Implicitly cleared: true Default probable cause: containingEquipmentAdministrativelyDown (330)	<ul style="list-style-type: none"> • 6.6.1 • 6.6.2 • 6.6.3 • 6.6.4
Description: The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentAdministrativelyDown.		
Raising condition: (('Status' EQUAL 'Parent Admin Down') AND ('isTerminatable' EQUAL 'true'))		
Clearing condition: (('Status' NOT EQUAL 'Parent Admin Down') OR ('isTerminatable' NOT EQUAL 'true'))		
Remedial action: Informational - no corrective action required.		

Table 25-10 ContainingEquipmentMismatch

Alarm	Attributes	Applicable major NE releases
Name: ContainingEquipmentMismatch (464) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentMismatch (328)	<ul style="list-style-type: none"> • 6.6.1 • 6.6.2 • 6.6.3 • 6.6.4
Description: The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentMismatch.		
Raising condition: (('Status' EQUAL 'Parent Type Mismatch') AND ('isTerminatable' EQUAL 'true'))		
Clearing condition: (('Status' NOT EQUAL 'Parent Type Mismatch') OR ('isTerminatable' NOT EQUAL 'true'))		
Remedial action: A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

Table 25-11 ContainingEquipmentOperationallyDown

Alarm	Attributes	Applicable major NE releases
Name: ContainingEquipmentOperationallyDown (465) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentDown (329)	<ul style="list-style-type: none"> • 6.6.1 • 6.6.2 • 6.6.3 • 6.6.4
Description: The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentOperationallyDown.		
Raising condition: (('Status' EQUAL 'Parent Oper Down') AND ('isTerminatable' EQUAL 'true'))		
Clearing condition: (('Status' NOT EQUAL 'Parent Oper Down') OR ('isTerminatable' NOT EQUAL 'true'))		
Remedial action: The operational state of the equipment element indicated in the alarm is down. This may be due to the element's administrative state or it may indicate that the element has failed.		

Table 25-12 CorruptImageFile

Alarm	Attributes	Applicable major NE releases
Name: CorruptImageFile (171) Type: configurationAlarm (11) Package: mediation Raised on class: mediation.AbstractSoftwareFolderDescriptor	Severity: critical Implicitly cleared: true Default probable cause: invalidOrCorruptImageFile (134)	<ul style="list-style-type: none"> • 6.6.1 • 6.6.2 • 6.6.3 • 6.6.4
Description: The alarm is raised when one or more files in the 5620 SAM software image specified for a device software upgrade is invalid, corrupt or absent. The 5620 SAM validates a device software file set before it imports the file set and distributes it to an NE. Ensure that the file set downloads properly to the NE and is not tampered with before you re-attempt the upgrade. The alarm clears when a valid file set is on the NE and the 5620 SAM activates the software image in the file set.		
Raising condition: ('isImageValid' EQUAL 'false')		

(1 of 2)

25 – Alcatel-Lucent OS6250 alarms

Alarm	Attributes	Applicable major NE releases
Clearing condition: ('isImageValid' EQUAL 'true')		
Remedial action: The existing SW image in the SAM database should be replaced with an image that is known to be complete and valid.		

(2 of 2)

Table 25-13 downgradedCardAlarm

Alarm	Attributes	Applicable major NE releases
Name: downgradedCardAlarm (256) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: downgradedCard (195)	<ul style="list-style-type: none"> • 6.6.1 • 6.6.2 • 6.6.3 • 6.6.4
Description: The alarm is raised when an IOM is not upgraded or reset after a device software upgrade of both CPMs. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
Raising condition: ('operationalState' EQUAL 'Downgrade')		
Clearing condition: ('operationalState' EQUAL 'Up')		
Remedial action: Informational - no corrective action required.		

Table 25-14 EfmOamAlarm

Alarm	Attributes	Applicable major NE releases
Name: EfmOamAlarm (4617) Type: equipmentAlarm (3) Package: ethernetEquipment Raised on class: ethernetEquipment.Dot3Oam	Severity: minor Implicitly cleared: true Default probable cause: EFMOAMOperationalStateOutOfService (1886)	<ul style="list-style-type: none"> • 6.6.2 • 6.6.3 • 6.6.4
Description: The alarm is raised when EFM Ignore status is Enabled, and Physical port Administrative State is Down.		
Raising condition: ('Ignore EFM State' EQUAL 'true')		
Clearing condition: ('Ignore EFM State' EQUAL 'true')		
Remedial action: The alarm is raised when EFM Ignore status is Enabled, and Physical port Administrative State is Down.		

Table 25-15 EquipmentAdministrativelyDown

Alarm	Attributes	Applicable major NE releases
Name: EquipmentAdministrativelyDown (455) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: minor Implicitly cleared: true Default probable cause: equipmentAdministrativelyDown (326)	<ul style="list-style-type: none"> • 6.6.1 • 6.6.2 • 6.6.3 • 6.6.4
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentAdministrativelyDown.		
Raising condition: ('compositeEquipmentState' EQUAL 'Admin Down')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Admin Down')		
Remedial action: Informational - no corrective action required.		

Table 25-16 EquipmentDegraded

Alarm	Attributes	Applicable major NE releases
Name: EquipmentDegraded (604) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: minor Implicitly cleared: true Default probable cause: singleFanFailure (450)	<ul style="list-style-type: none"> • 6.6.1 • 6.6.2 • 6.6.3 • 6.6.4
Description: The alarm is raised when a single fan fails. The chassis attempts to continue operating within the normal temperature range using only the remaining fans.		
Raising condition: ('Device State' EQUAL 'MinorFailure')		
Clearing condition: ('Device State' NOT EQUAL 'MinorFailure')		
Remedial action: The failed fan unit should be replaced.		

Table 25-17 EquipmentDown

Alarm	Attributes	Applicable major NE releases
Name: EquipmentDown (10) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: inoperableEquipment (8)	<ul style="list-style-type: none"> • 6.6.1 • 6.6.2 • 6.6.3 • 6.6.4
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentOperationallyDown.		
Raising condition: ('compositeEquipmentState' EQUAL 'Oper Down')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Oper Down')		
Remedial action: This alarm indicates that a card in the NE has failed. The card must be replaced.		

Table 25-18 EquipmentFailure

Alarm	Attributes	Applicable major NE releases
Name: EquipmentFailure (145) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.ReplaceableUnit	Severity: critical Implicitly cleared: true Default probable cause: cardFailure (123)	<ul style="list-style-type: none"> • 6.6.1 • 6.6.2 • 6.6.3 • 6.6.4
Description: The alarm is raised when a control processor or power-supply tray reports a failure. When the object type is ControlProcessor, a CPM may be unable to boot. When the object type is Power Supply Tray and the alarm is raised during device discovery, a power-supply tray may be out of service. When the object type is a Power Supply Tray and the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
Raising condition: ('operationalState' EQUAL 'Failed')		
Clearing condition: ('operationalState' NOT EQUAL 'Failed')		
Remedial action: If the alarm indicates that the CPM card has a fault, remove the card and reset it. If this does not clear the alarm then please contact Alcatel-Lucent support for assistance. If the alarm indicates that the Power Supply tray is out of service ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 25-19 EquipmentInTest

Alarm	Attributes	Applicable major NE releases
Name: EquipmentInTest (11) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: warning Implicitly cleared: true Default probable cause: equipmentInTest (9)	<ul style="list-style-type: none"> • 6.6.1 • 6.6.2 • 6.6.3 • 6.6.4
Description: The alarm is raised when equipment enters a diagnostic state.		
Raising condition: ('compositeEquipmentState' EQUAL 'In Test')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'In Test')		
Remedial action: Informational - no corrective action required.		

Table 25-20 EquipmentMismatch

Alarm	Attributes	Applicable major NE releases
Name: EquipmentMismatch (9) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: equipmentTypeMismatch (7)	<ul style="list-style-type: none"> • 6.6.1 • 6.6.2 • 6.6.3 • 6.6.4
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMismatch.		
Raising condition: ('compositeEquipmentState' EQUAL 'Type Mismatch')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Type Mismatch')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

(2 of 2)

Table 25-21 EquipmentRemoved

Alarm	Attributes	Applicable major NE releases
Name: EquipmentRemoved (8) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: replaceableEquipmentRemoved (6)	<ul style="list-style-type: none"> • 6.6.1 • 6.6.2 • 6.6.3 • 6.6.4
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMissing.		
Raising condition: (('compositeEquipmentState' EQUAL 'Removed') AND ('isEquipmentInserted' EQUAL 'true'))		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Removed')		
Remedial action: Informational - this alarm is raised when a card is removed.		

Table 25-22 EthernetPortConfiguredLoopback

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortConfiguredLoopback (801) Type: configurationAlarm (11) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: warning Implicitly cleared: true Default probable cause: ethernetPortConfiguredLoopback (567)	<ul style="list-style-type: none"> • 6.6.1 • 6.6.2 • 6.6.3 • 6.6.4
Description: The alarm is raised when a timed loopback is in effect for an Ethernet port.		
Raising condition: (('Type' NOT EQUAL 'None'))		
Clearing condition: (('Type' EQUAL 'None'))		
Remedial action: This alarm has been raised by the node because "Timed Loopback" option of the specific port's Ethernet property has been enabled. To resolve this problem from "Ethernet" tab of "Physical Port" properties form configure "Timed Loopback" Type property as "None".		

Table 25-23 EthernetPortDuplicateLane

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortDuplicateLane (3557) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: DuplicateLane (1387)	<ul style="list-style-type: none"> • 6.6.1 • 6.6.2 • 6.6.3 • 6.6.4
Description: The alarm is raised when a device reports a Duplicate Lane on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 25-24 EthernetPortHighBer

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortHighBer (307) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> • 6.6.1 • 6.6.2 • 6.6.3 • 6.6.4
Description: The alarm is raised when a device reports a high bit-error rate on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))		
Remedial action: One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 25-25 EthernetPortLocalFault

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortLocalFault (305) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: LocalFault (236)	<ul style="list-style-type: none"> • 6.6.1 • 6.6.2 • 6.6.3 • 6.6.4
Description: The alarm is raised when a device reports a local fault on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))))		
Remedial action: One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

(2 of 2)

Table 25-26 EthernetPortNoAmLock

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortNoAmLock (3558) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoAmLock (1388)	<ul style="list-style-type: none"> • 6.6.1 • 6.6.2 • 6.6.3 • 6.6.4
Description: The alarm is raised when a device reports a No Am Lock on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 25-27 EthernetPortNoBlockLock

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortNoBlockLock (3559) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoBlockLock (1389)	<ul style="list-style-type: none"> • 6.6.1 • 6.6.2 • 6.6.3 • 6.6.4
Description: The alarm is raised when a device reports a No Block Lock on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock'))))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 25-28 EthernetPortNoFrameLock

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortNoFrameLock (306) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoFrameLock (237)	<ul style="list-style-type: none"> • 6.6.1 • 6.6.2 • 6.6.3 • 6.6.4
Description: The alarm is raised when a device reports No Frame Lock on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock'))		
Remedial action: One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 25-29 EthernetPortRemoteFault

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortRemoteFault (304) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: RemoteFault (235)	<ul style="list-style-type: none"> • 6.6.1 • 6.6.2 • 6.6.3 • 6.6.4
Description: The alarm is raised when a device reports a remote fault on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault'))		
Remedial action: One of the following conditions exists on the remote physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 25-30 EthernetPortSignalFailure

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortSignalFailure (303) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: SignalFailure (234)	<ul style="list-style-type: none"> • 6.6.1 • 6.6.2 • 6.6.3 • 6.6.4
Description: The alarm is raised when a device reports a signal failure on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))))		
Remedial action: One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

(2 of 2)

Table 25-31 FanFailure

Alarm	Attributes	Applicable major NE releases
Name: FanFailure (624) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: fanFailure (116)	<ul style="list-style-type: none"> • 6.6.1 • 6.6.2 • 6.6.3 • 6.6.4
Description: The alarm is raised when the associated fan is not operationally Up.		
Raising condition: (('Device State' EQUAL 'Failed') OR ('Device State' EQUAL 'Unknown') OR ('Device State' EQUAL 'OutOfService'))		
Clearing condition: ('Device State' EQUAL 'OK')		
Remedial action: Remove and reset the fan unit. If this does not resolve the problem replace the fan.		

Table 25-32 FanTrayRemoved

Alarm	Attributes	Applicable major NE releases
Name: FanTrayRemoved (569) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: FanTrayRemoved (438)	<ul style="list-style-type: none"> • 6.6.1 • 6.6.2 • 6.6.3 • 6.6.4
Description: The alarm is raised when the deviceState attribute has a value of deviceNotEquipped.		
Raising condition: ('Device State' EQUAL 'Not Equipped')		
Clearing condition: ('Device State' NOT EQUAL 'Not Equipped')		
Remedial action: Informational - a fan tray has been removed from the NE.		

Table 25-33 FrameSizeProblem (netw)

Alarm	Attributes	Applicable major NE releases
Name: FrameSizeProblem (37) Type: configurationAlarm (11) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: frameSizeProblem (33)	<ul style="list-style-type: none"> • 6.6.1 • 6.6.2 • 6.6.3 • 6.6.4
Description: The alarm is raised when a provisioned MTU size value is greater than the supported MTU size value.		
Raising condition: (('mtuMismatch' EQUAL 'true') AND ('portId' NOT EQUAL 'OL'))		
Clearing condition: (('mtuMismatch' EQUAL 'false') OR ('portId' EQUAL 'OL'))		
Remedial action: A configuration error has been made which must be corrected. The MTU value must be changed such that is less than or equal to the supported MTU size value.		

Table 25-34 GaPeerDown

Alarm	Attributes	Applicable major NE releases
Name: GaPeerDown (3303) Type: EpcAlarm (59) Package: Iteggns Raised on class: Iteggns.GaPeer	Severity: major Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> • 6.6.1 • 6.6.2 • 6.6.3 • 6.6.4
Description: The alarm is raised when the path management state of a Ga peer changes to a state other than Up.		
Raising condition: ('Path Management State' NOT EQUAL 'Active')		
Clearing condition: ('Path Management State' EQUAL 'Active')		
Remedial action: A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

Table 25-35 IfVlanSubTypeConflict

Alarm	Attributes	Applicable major NE releases
Name: IfVlanSubTypeConflict (213) Type: configurationAlarm (11) Package: vlan Raised on class: vlan.L2AccessInterface	Severity: major Implicitly cleared: true Default probable cause: topologyMisconfigured (81)	<ul style="list-style-type: none"> • 6.6.1 • 6.6.2 • 6.6.3 • 6.6.4
Description: The alarm is raised when more than one type of VLAN service is configured with the same VLAN ID. The alarm is raised against an L2 access interface.		
Raising condition: ('vlanSubTypeConflict' EQUAL 'true')		
Clearing condition: ('vlanSubTypeConflict' EQUAL 'false')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: Ensure that only one type of VLAN Service is configured with the VLAN ID used by this Interface.		

(2 of 2)

Table 25-36 IgmpDown

Alarm	Attributes	Applicable major NE releases
Name: IgmpDown (158) Type: ProtocolAlarm (1) Package: igmp Raised on class: igmp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 6.6.1 • 6.6.2 • 6.6.3 • 6.6.4
Description: The alarm is raised when an IGMP site has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: While configured under VPRN, check if VPRN site is admin down, or if route distinguisher is not configured.		

Table 25-37 IgmpSnoopingDown

Alarm	Attributes	Applicable major NE releases
Name: IgmpSnoopingDown (161) Type: ProtocolAlarm (1) Package: layer2 Raised on class: layer2.Bridge	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 6.6.1 • 6.6.2 • 6.6.3 • 6.6.4
Description: The alarm is raised when IGMP snooping is disabled on an NE and a TLS VLAN or MVR VLAN service is provisioned on the NE.		
Raising condition: ('IGMP Snooping' EQUAL 'Disabled')		
Clearing condition: ('IGMP Snooping' EQUAL 'Enabled')		
Remedial action: To clear the alarm, enable IGMP Snooping under the Bridge Instance.		

Table 25-38 IncompleteConfiguration

Alarm	Attributes	Applicable major NE releases
Name: IncompleteConfiguration (1942) Type: operationalViolation (93) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: incompleteConfig (225)	<ul style="list-style-type: none"> • 6.6.1 • 6.6.2 • 6.6.3 • 6.6.4
Description: The alarm is raised when a pre-provisioned NE has no objects configured beneath it.		

(1 of 2)

25 – Alcatel-Lucent OS6250 alarms

Alarm	Attributes	Applicable major NE releases
Raising condition: (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' EQUAL '\'))		
Clearing condition: (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' NOT EQUAL '\'))		
Remedial action: A configuration error has been made which must be corrected. The configuration of the pre-provisioned NE is incomplete. A work order was not associated with the pre-provisioned NE and as a consequence the attempt to auto-configure the NE failed.		

(2 of 2)

Table 25-39 InterfaceDown (netw)

Alarm	Attributes	Applicable major NE releases
Name: InterfaceDown (36) Type: InterfaceAlarm (13) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> • 6.6.1 • 6.6.2 • 6.6.3 • 6.6.4
Description: The alarm is raised when an interface or underlying resource fails, as indicated by an interface compositeState attribute value of failed or underlyingResourceFailed.		
Raising condition: (('compositeState' EQUAL 'Inoperable') OR ('compositeState' EQUAL 'Underlying Resource Inoperable'))		
Clearing condition: (('compositeState' NOT EQUAL 'Inoperable') AND ('compositeState' NOT EQUAL 'Underlying Resource Inoperable'))		
Remedial action: A physical port (physical interface, LAG, channel) associated with the network interface in not operation. Ensure that the interface is cabled and that there isn't a configuration error (i.e. MTU size set incorrectly) on the interface. Once the issue w		

Table 25-40 LagDown

Alarm	Attributes	Applicable major NE releases
Name: LagDown (20) Type: equipmentAlarm (3) Package: lag Raised on class: lag.Interface	Severity: critical Implicitly cleared: true Default probable cause: lagDown (17)	<ul style="list-style-type: none"> • 6.6.1 • 6.6.2 • 6.6.3 • 6.6.4
Description: The alarm is raised when all ports in a LAG are operationally down.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
Clearing condition: (('operationalState' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: This alarm indicates that all physical Ethernet links associated with a LAG are operationally down. The reasons for the links to be down may vary from link to link. The following possible causes of this alarm should be investigated. The physical port (near end or far end may have failed - this can be remedied by replacing the interface card in question. The physical links may have been turned down administratively - re-enable the links. A cable failure or disconnect may have occurred - please ensure that the cables are properly connected to the physical port and and that the cable has not been damaged.		

Table 25-41 LagPortAddFailed

Alarm	Attributes	Applicable major NE releases
Name: LagPortAddFailed (422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: warning Implicitly cleared: true Default probable cause: linkDown (315)	<ul style="list-style-type: none"> • 6.6.1 • 6.6.2 • 6.6.3 • 6.6.4
Description: The alarm is raised when the Lag Port Add function Fails.		
Raising condition: (('state' EQUAL 'Link Down') AND ('LAG ID' > '0'))		
Clearing condition: (('state' NOT EQUAL 'Link Down') OR ('LAG ID' EQUAL '0'))		
Remedial action: A configuration error has occurred which must be corrected. The link that was to be added to the LAG group may be of the wrong type (i.e. non ethernet) or the limit of the number of links supported in a LAG may have been reached.		

Table 25-42 LicensedLimitExceeded

Alarm	Attributes	Applicable major NE releases
Name: LicensedLimitExceeded (127) Type: licensingAlarm (23) Package: security Raised on class: security.ProductLicense	Severity: critical Implicitly cleared: true Default probable cause: licensedLimitExceeded (106)	<ul style="list-style-type: none"> • 6.6.1 • 6.6.2 • 6.6.3 • 6.6.4
Description: The alarm is raised when the license items in the network exceeds 100 percent of the license capacity.		
Raising condition: ('Exceeded' EQUAL 'true')		
Clearing condition: ('Exceeded' NOT EQUAL 'true')		
Remedial action: Informational - The number of SAM licenses purchased and available on the SAM server is insufficient as compared to the number of NEs/MDA/Cells under management in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

Table 25-43 LinkDown

Alarm	Attributes	Applicable major NE releases
Name: LinkDown (12) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: portLinkProblem (10)	<ul style="list-style-type: none"> • 6.6.1 • 6.6.2 • 6.6.3 • 6.6.4
Description: The alarm is raised when a port has no associated physical link or remote end point is operationally down.		
Raising condition: (('compositeEquipmentState' EQUAL 'Link Down') OR ('compositeEquipmentState' EQUAL 'Oper Down'))		
Clearing condition: (('compositeEquipmentState' NOT EQUAL 'Link Down') AND ('compositeEquipmentState' NOT EQUAL 'Oper Down'))		
Remedial action: Please make sure that port has physical link and remote end point is operationally up.		

Table 25-44 LowTemperatureDetected

Alarm	Attributes	Applicable major NE releases
Name: LowTemperatureDetected (1127) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOvercooled (838)	<ul style="list-style-type: none"> • 6.6.1 • 6.6.2 • 6.6.3 • 6.6.4
Description: The alarm is raised when the chassis temperature falls below the minimum threshold.		
Raising condition: ('Low Temperature State' EQUAL 'Low')		
Clearing condition: ('Low Temperature State' NOT EQUAL 'Low')		
Remedial action: The NE has detected internal temperatures which are abnormally low. This may happen when the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 25-45 LowTemperatureThresholdCrossed

Alarm	Attributes	Applicable major NE releases
Name: LowTemperatureThresholdCrossed (1128) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Environment	Severity: major Implicitly cleared: true Default probable cause: equipmentOvercooled (838)	<ul style="list-style-type: none"> • 6.6.1 • 6.6.2 • 6.6.3 • 6.6.4
Description: The alarm is raised when a low-temperature threshold is crossed.		
Raising condition: ('lowTemperatureThresholdCrossed' EQUAL 'true')		
Clearing condition: ('lowTemperatureThresholdCrossed' EQUAL 'false')		
Remedial action: The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 25-46 LpsViolation

Alarm	Attributes	Applicable major NE releases
Name: LpsViolation (518) Type: learnedPortSecurityAlarm (51) Package: lps Raised on class: lps.LearnedPortSecurity	Severity: major Implicitly cleared: true Default probable cause: learnedPortSecurityViolation (393)	<ul style="list-style-type: none"> • 6.6.1 • 6.6.2 • 6.6.3 • 6.6.4
Description: The alarm is raised when the 5620 SAM detects an LPS violation.		
Raising condition: ('Operational State' EQUAL 'Security Violated')		
Clearing condition: ('Operational State' EQUAL 'Down')		
Remedial action: Port reset is required to return the port to normal operation.		

Table 25-47 macMoveRateExceeded (service)

Alarm	Attributes	Applicable major NE releases
Name: macMoveRateExceeded (3690) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: minor Implicitly cleared: true Default probable cause: MacMoveRateExceeded (1429)	<ul style="list-style-type: none"> • 6.6.1 • 6.6.2 • 6.6.3 • 6.6.4
Description: The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site.		
Raising condition: ('State Cause'anyBit'Relearn Limit Exceeded')		
Clearing condition: NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		
Remedial action: Informational.		

Table 25-48 macMoveRateExceededNonBlock (service)

Alarm	Attributes	Applicable major NE releases
Name: macMoveRateExceededNonBlock (4893) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: info Implicitly cleared: true Default probable cause: MacMoveRateExceededNonBlock (1951)	<ul style="list-style-type: none"> • 6.6.1 • 6.6.2 • 6.6.3 • 6.6.4
Description: The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site when limitMacMove(sapTIsLimitMacMove) is set to 'nonBlocking'.		
Raising condition: ('State Cause'anyBit'Relearn Limit Exceeded')		
Clearing condition: NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		
Remedial action: Informational - User can adjust the value of 'MAC Move Maximum Rate' to reduce the frequency of this alarm.		

Table 25-49 MepAISReceivedAlarm

Alarm	Attributes	Applicable major NE releases
Name: MepAISReceivedAlarm (2945) Type: oamAlarm (18) Package: ethernetOAM Raised on class: ethernetOAM.Mep	Severity: variable Implicitly cleared: true Default probable cause: missingRemoteMep (388)	<ul style="list-style-type: none"> • 6.6.1 • 6.6.2 • 6.6.3 • 6.6.4
Description: The alarm is raised when a MEP Receives AIS test frames from one or more of its sub-layer MEPs.		
Raising condition: (('AIS Received (AisRx)' EQUAL 'true') AND ('Facility VLAN ID' EQUAL '0'))		
Clearing condition: ('AIS Received (AisRx)' EQUAL 'false')		
Remedial action: This alarm indicates that it has received a MEP fault from a sub-layer MEP, user should investigate the fault cause on the sub-layer MEP and resolve this root cause issue.		

Table 25-50 MobileConnectorDown

Alarm	Attributes	Applicable major NE releases
Name: MobileConnectorDown (1064) Type: EpcAlarm (59) Package: Iteservice Raised on class: Iteservice.MobileServiceConnector	Severity: minor Implicitly cleared: true Default probable cause: EpcDown (519)	<ul style="list-style-type: none"> • 6.6.1 • 6.6.2 • 6.6.3 • 6.6.4
Description: The alarm is raised when the 5620 SAM no longer manages the EPS path instance of this mobile service site. As a result, the service must be regenerated.		
Raising condition: ('EPS Path' EQUAL '\\"')'		
Clearing condition: ('EPS Path' NOT EQUAL '\\"')'		
Remedial action: The underlying transport network has gone down resulting in the deletion of a mobile service connector (EPS path). Correct the issue with the transport network and regenerate the mobile service connector by clicking on the re-calculate button on the mobile service properties form.		

Table 25-51 MvrSiteDown

Alarm	Attributes	Applicable major NE releases
Name: MvrSiteDown (162) Type: ProtocolAlarm (1) Package: layer2 Raised on class: layer2.MvrSite	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 6.6.1 • 6.6.2 • 6.6.3 • 6.6.4
Description: The alarm is raised when MVR is disabled on an NE and a TLS VLAN or MVR VLAN service is provisioned on the NE.		
Raising condition: ('MVR Admin Status' EQUAL 'Disabled')		
Clearing condition: ('MVR Admin Status' EQUAL 'Enabled')		
Remedial action: To clear the alarm, enable MVR Admin Status under the Bridge Instance.		

Table 25-52 NeManagementAndTrapManagementMismatch

Alarm	Attributes	Applicable major NE releases
Name: NeManagementAndTrapManagementMismatch (1079) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: neManagementChange (817)	<ul style="list-style-type: none"> • 6.6.1 • 6.6.2 • 6.6.3 • 6.6.4
Description: This user-defined alarm is raised when the NE configuration is one of the following: - The Active Management IP is set to Out Of Band, and the Primary Route Preference is set to In Band. - The Active Management IP is set to In Band, and the Primary Route Preference is set to Out of Band.		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Raising condition: (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only')) AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only')) AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'Out Of Band'))))		
Clearing condition: (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only')) AND ('Primary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only')) AND ('Primary Route Preference' EQUAL 'Out Of Band'))))		
Remedial action: A configuration error has been made which must be corrected. The parameters described in the description for this alarm must match.		

(2 of 2)

Table 25-53 NewSsh2ServerKeyDetected

Alarm	Attributes	Applicable major NE releases
Name: NewSsh2ServerKeyDetected (285) Type: communicationsAlarm (4) Package: security Raised on class: security.KnownHostKey	Severity: warning Implicitly cleared: true Default probable cause: ssh2ServerKeyMismatch (217)	<ul style="list-style-type: none"> • 6.6.1 • 6.6.2 • 6.6.3 • 6.6.4
Description: The alarm is raised when a 5620 SAM main server detects a new public SSH key.		
Raising condition: ('SSH2 Server Key Status' EQUAL 'Mismatch SSH2 Host Key')		
Clearing condition: ('SSH2 Server Key Status' EQUAL 'Active SSH2 Host Key')		
Remedial action: Informational - possible security breach. The SSH key of the router is different from the one known to the SAM server.		

Table 25-54 NodeDatabaseFallbackDetected

Alarm	Attributes	Applicable major NE releases
Name: NodeDatabaseFallbackDetected (2923) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseFallback (1121)	<ul style="list-style-type: none"> • 6.6.1 • 6.6.2 • 6.6.3 • 6.6.4
Description: The alarm is raised when a configuration fallback is detected on the node and comes back up with a previous configuration. To correct this situation it might be necessary to reconfigure the node, or perform full resync its database with the 'fallback' configuration returned by the node.		
Raising condition: ('State' EQUAL 'Node Configuration Fallback')		
Clearing condition: ('State' EQUAL 'Managed')		
Remedial action: the NE has come back to a previous configuration. Perform a manual Full Resync or a Reconfigure of the NE		

Table 25-55 NodeDatabaseMisalignmentDetected

Alarm	Attributes	Applicable major NE releases
Name: NodeDatabaseMisalignmentDetected (2924) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseMisalignment (1122)	<ul style="list-style-type: none"> • 6.6.1 • 6.6.2 • 6.6.3 • 6.6.4
Description: The alarm is raised when a configuration misalignment has been detected on the node and comes back up with an unexpected configuration (configuration change triggered by external tool) To correct this situation it might be necessary to reconfigure the node with the 5620 SAM's old configuration or accept the new configuration received from the node.		
Raising condition: ('State' EQUAL 'Node Configuration Misalignment')		
Clearing condition: ('State' EQUAL 'Managed')		
Remedial action: the NE configuration is misaligned. Perform a resync in order to update SAM configuration according to the NE.		

Table 25-56 NodeSuspended

Alarm	Attributes	Applicable major NE releases
Name: NodeSuspended (5123) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: NodeSuspend (2057)	<ul style="list-style-type: none"> • 6.6.1 • 6.6.2 • 6.6.3 • 6.6.4
Description: The alarm is raised when the 5620 SAM detects an NE moved to suspend state as per user request.		
Raising condition: ('SNMP Reachability' EQUAL 'Suspended')		
Clearing condition: ('SNMP Reachability' NOT EQUAL 'Suspended')		
Remedial action: This alarm is raised when user suspends the network element. The alarm will be cleared when the network element is managed back.		

Table 25-57 OrphanNodeDetected

Alarm	Attributes	Applicable major NE releases
Name: OrphanNodeDetected (4866) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.AdvertisedNode	Severity: major Implicitly cleared: true Default probable cause: nodeNotManagedByAnyEms (1934)	<ul style="list-style-type: none"> • 6.6.1 • 6.6.2 • 6.6.3 • 6.6.4
Description: The alarm is raised when node is not managed by any EMS after n retries(threshold crossed) it is manually cleared by the operator or when the node is discovered.		
Raising condition: ('state' EQUAL 'orphan')		
Remedial action: The NE is not managed by any SAM. Add a discovery rule in order to manage it.		

Table 25-58 OverTemperatureDetected

Alarm	Attributes	Applicable major NE releases
Name: OverTemperatureDetected (388) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> • 6.6.1 • 6.6.2 • 6.6.3 • 6.6.4
Description: The alarm is raised when the chassis temperature exceeds the maximum threshold value.		
Raising condition: ('Over Temperature State' EQUAL 'Over')		
Clearing condition: ('Over Temperature State' NOT EQUAL 'Over')		
Remedial action: The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 25-59 PartialResyncProblem

Alarm	Attributes	Applicable major NE releases
Name: PartialResyncProblem (4401) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: partialResyncProblem (1578)	<ul style="list-style-type: none"> • 6.6.1 • 6.6.2 • 6.6.3 • 6.6.4
Description: The alarm is raised when an Partial Resync on an NE fails. For example, when resyncing only some MIB entries as opposed to a full resync. The periodic reachability test (sysUpTime) is not considered a partial resync, neither is a full resync. However, a PartialResyncProblem alarm can only be reset by a FullResync.		
Raising condition: ('partialResyncStatus' EQUAL 'Partial Resync Failed')		
Clearing condition: ('partialResyncStatus' EQUAL 'Partial Resync Done')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE.		

Table 25-60 PersistentIndexParametersMisconfigured

Alarm	Attributes	Applicable major NE releases
Name: PersistentIndexParametersMisconfigured (173) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: persistentIndexConfigurationMismatch (136)	<ul style="list-style-type: none"> • 6.6.1 • 6.6.2 • 6.6.3 • 6.6.4
Description: The alarm is raised when persistence is set to Off in the NE BOF.		
Raising condition: (('Persistent SNMP Indices' EQUAL 'False') OR (('hasRedundantProcessorCards' EQUAL 'true') AND ('Redundant Synchronization Mode' EQUAL 'None')))		

(1 of 2)

25 – Alcatel-Lucent OS6250 alarms

Alarm	Attributes	Applicable major NE releases
Clearing condition: (('Persistent SNMP Indices' EQUAL 'True') AND (('hasRedundantProcessorCards' EQUAL 'false') OR ('Redundant Synchronization Mode' NOT EQUAL 'None')))		
Remedial action: A configuration error has occurred that must be corrected. Use the CLI on the NE to enable persistency in the BOF. The discovery process will complete on the next discovery scan. A re-scan can be triggered immediately for the NE from within the discovery manager		

(2 of 2)

Table 25-61 PollerProblem

Alarm	Attributes	Applicable major NE releases
Name: PollerProblem (31) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: resyncFailed (24)	<ul style="list-style-type: none"> • 6.6.1 • 6.6.2 • 6.6.3 • 6.6.4
Description: The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
Raising condition: ('Resync Status' EQUAL 'Full Resync Failed')		
Clearing condition: ('Resync Status' EQUAL 'Full Resync Done')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 25-62 PowerSupplyFailure

Alarm	Attributes	Applicable major NE releases
Name: PowerSupplyFailure (633) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: critical Implicitly cleared: true Default probable cause: powerSupplyFailure (117)	<ul style="list-style-type: none"> • 6.6.1 • 6.6.2 • 6.6.3 • 6.6.4
Description: The alarm is raised when a power-supply tray reports a failure. When the alarm is raised during device discovery, a power-supply tray may be out of service. When the alarm is raised while the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
Raising condition: (('Power Supply 1 Status' EQUAL 'Not Equipped') OR ('Power Supply 1 Status' EQUAL 'Failed'))		
Clearing condition: (('Power Supply 1 Status' EQUAL 'OK'))		
Remedial action: Ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 25-63 PowerSupplyInputFeedDown

Alarm	Attributes	Applicable major NE releases
Name: PowerSupplyInputFeedDown (5422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: minor Implicitly cleared: true Default probable cause: powerSupplyInputFeedDown (2073)	<ul style="list-style-type: none"> • 6.6.1 • 6.6.2 • 6.6.3 • 6.6.4
Description: This alarm is generated if any one of the input feeds for a given power supply is not supplying power.		
Raising condition: (('Input Feed Status' EQUAL 'Input A Down') OR ('Input Feed Status' EQUAL 'Input B Down') OR (('Input Feed Status'allBits'Input A Down') AND ('Input Feed Status'allBits'Input B Down'))		
Clearing condition: ('Input Feed Status' EQUAL 'None')		
Remedial action: Restore all of the input feeds that are not supplying power.		

Table 25-64 PowerSupplyRemoved

Alarm	Attributes	Applicable major NE releases
Name: PowerSupplyRemoved (542) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: major Implicitly cleared: true Default probable cause: PowerSupplyRemoved (415)	<ul style="list-style-type: none"> • 6.6.1 • 6.6.2 • 6.6.3 • 6.6.4
Description: The alarm is raised when a chassis power supply is removed.		
Raising condition: ('Power Supply 1 Status' EQUAL 'Not Equipped')		
Clearing condition: ('Power Supply 1 Status' NOT EQUAL 'Not Equipped')		
Remedial action: To recover from this event, the customer is requested to add a new power supply to the system, or change a faulty power supply with a working one.		

Table 25-65 PrimaryImageBootFailure

Alarm	Attributes	Applicable major NE releases
Name: PrimaryImageBootFailure (191) Type: configurationAlarm (11) Package: sw Raised on class: sw.CardSoftware	Severity: warning Implicitly cleared: true Default probable cause: bootOptionFileMisconfigured (150)	<ul style="list-style-type: none"> • 6.6.1 • 6.6.2 • 6.6.3 • 6.6.4
Description: The alarm is raised when the primary software image specified in an NE BOF is unusable.		
Raising condition: (('imageSource' NOT EQUAL 'Primary') AND ('imageSource' NOT EQUAL 'Unknown'))		
Clearing condition: (('imageSource' EQUAL 'Primary') OR ('imageSource' EQUAL 'Unknown'))		
Remedial action: The SW image on the NE may have been inadvertently corrupted. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

Table 25-66 RadiusOperStatusDown

Alarm	Attributes	Applicable major NE releases
Name: RadiusOperStatusDown (3692) Type: radiusOperStatusDownAlarm (105) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: radiusOperationStatusDown (1431)	<ul style="list-style-type: none"> • 6.6.1 • 6.6.2 • 6.6.3 • 6.6.4
Description: The alarm is raised when all RADIUS servers have gone down.		
Raising condition: ('Global RADIUS Operational State' EQUAL 'Down')		
Clearing condition: ('Global RADIUS Operational State' EQUAL 'Up')		
Remedial action: Verify the RADIUS server is properly configured and radius server state is up. Check the connectivity between SAM server and radius server configured on the Network element.		

Table 25-67 ReachabilityProblem

Alarm	Attributes	Applicable major NE releases
Name: ReachabilityProblem (243) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ReachabilityTestFailed (176)	<ul style="list-style-type: none"> • 6.6.1 • 6.6.2 • 6.6.3 • 6.6.4
Description: The alarm is raised when an Mediation poll of the SysUpTimeAlarm object on an NE fails, for example, because of network congestion or because the NE is too busy to respond. The probable cause is an unreachable NE Mediation agent on the NE. By default, the 5620 SAM polls a managed NE every two minutes. If a poll fails, the alarm is raised. The 5620 SAM polls the NE two minutes after the first failure. If successive polls fail, the 5620 SAM raises the polling interval for the NE by two minutes after each failure to a maximum of 12 min. The polling interval remains at 12 min until the 5620 SAM receives a response from the NE. The alarm clears when the 5620 SAM receives a response from the NE, and the 5620 SAM GUI icon that represents the NE turns from red to green.		
Raising condition: ('SNMP Reachability' EQUAL 'Down')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 25-68 ReconfigFailure

Alarm	Attributes	Applicable major NE releases
Name: ReconfigFailure (1949) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: failedReconfig (937)	<ul style="list-style-type: none"> • 6.6.1 • 6.6.2 • 6.6.3 • 6.6.4
Description: This alarm is raised when the reconfig action failed.		
Raising condition: ('State' EQUAL 'Failed')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: ('State' NOT EQUAL 'Failed')		
Remedial action: Verify that the object is configured as expected.		

(2 of 2)

Table 25-69 RedundantMepMisconfiguration

Alarm	Attributes	Applicable major NE releases
Name: RedundantMepMisconfiguration (3631) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: minor Implicitly cleared: true Default probable cause: misconfiguredRedundantMep (1416)	<ul style="list-style-type: none"> • 6.6.1 • 6.6.2 • 6.6.3 • 6.6.4
Description: The alarm is raised when an Active and Redundant MEP do not have the same Id, Operational MAC Address or Sub Group configured.		
Raising condition: ('validRedundantMepConfig' EQUAL 'false')		
Clearing condition: ('validRedundantMepConfig' EQUAL 'true')		
Remedial action: MC-LAG redundant MEP configuration (MEP ID or Mac Address) for Active & Standby Interfaces do not match, this could cause issues with CFM or CCM tests if Active interface changes. Delete and Re-create Standby MEP to match Active.		

Table 25-70 RedundantMepMissing

Alarm	Attributes	Applicable major NE releases
Name: RedundantMepMissing (3632) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: minor Implicitly cleared: true Default probable cause: missingRedundantMep (1417)	<ul style="list-style-type: none"> • 6.6.1 • 6.6.2 • 6.6.3 • 6.6.4
Description: The alarm is raised when a MEP misses a redundant counterpart on LAG or SAP.		
Raising condition: (('MC-LAG Inactive' NOT EQUAL 'Not Applicable') AND ('Redundant MEP' EQUAL '\'))		
Clearing condition: (('MC-LAG Inactive' EQUAL 'Not Applicable') OR (('MC-LAG Inactive' NOT EQUAL 'Not Applicable') AND ('Redundant MEP' NOT EQUAL '\')))		
Remedial action: MC-LAG redundant MEP is missing Active & Standby Interfaces, this will cause issues with CFM or CCM tests if Active interface changes. Create missing Active/Standby MEP to match existing.		

Table 25-71 RemoteMepCCMAAlarm

Alarm	Attributes	Applicable major NE releases
Name: RemoteMepCCMAAlarm (502) Type: oamAlarm (18) Package: ethernetOam Raised on class: ethernetOam.Mep	Severity: major Implicitly cleared: true Default probable cause: missingRemoteMep (388)	<ul style="list-style-type: none"> • 6.6.1 • 6.6.2 • 6.6.3 • 6.6.4
Description: The alarm is raised when a MEP loses connectivity with one or more remote MEPs. The Remote MEP DB State tab on a MEP lists the missing remote MEPs.		
Raising condition: ('High-Priority Defect' NOT EQUAL '0')		
Clearing condition: ('High-Priority Defect' EQUAL '0')		
Remedial action: MEP has lost communication with Remote MEP defined in Maintenance Association (MEG) Remote MEP list, Either Remote MEP list is incorrect or diagnose connection fault and resolve.		

Table 25-72 RipDown

Alarm	Attributes	Applicable major NE releases
Name: RipDown (72) Type: ProtocolAlarm (1) Package: rip Raised on class: rip.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 6.6.1 • 6.6.2 • 6.6.3 • 6.6.4
Description: The alarm is raised when a RIP site has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: The RIP Site is down while it is administratively up. Please check the node e.g. IOM is not shutdown or installed.		

Table 25-73 SaveConfigFailed

Alarm	Attributes	Applicable major NE releases
Name: SaveConfigFailed (105) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileAccessError (90)	<ul style="list-style-type: none"> • 6.6.1 • 6.6.2 • 6.6.3 • 6.6.4
Description: The alarm is raised when the admin save command on an NE fails.		
Raising condition: ('Config Save State' EQUAL 'Failure')		
Clearing condition: ('Config Save State' EQUAL 'Success')		
Remedial action: Attempt the admin save command a second time. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 25-74 ScheduledPollerProblem

Alarm	Attributes	Applicable major NE releases
Name: ScheduledPollerProblem (4386) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: scheduledResyncFailed (1569)	<ul style="list-style-type: none"> • 6.6.1 • 6.6.2 • 6.6.3 • 6.6.4
Description: The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
Raising condition: ('Scheduled Resync Status' EQUAL 'Scheduled Resync Failed')		
Clearing condition: ('Scheduled Resync Status' EQUAL 'Scheduled Resync Done')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 25-75 ServiceSiteDown

Alarm	Attributes	Applicable major NE releases
Name: ServiceSiteDown (97) Type: serviceAlarm (16) Package: service Raised on class: service.Site	Severity: critical Implicitly cleared: true Default probable cause: siteDown (83)	<ul style="list-style-type: none"> • 6.6.1 • 6.6.2 • 6.6.3 • 6.6.4
Description: The alarm is raised when all SAPs on a site are operationally down, or when the service tunnels for the site are operationally down.		
Raising condition: (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'All Spoke SDP Bindings are Standby'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'All Spoke SDP Bindings are Standby'))		
Remedial action: The network resources (i.e. physical ports for SAPs, or physical ports/LSP) associated with the service site should be examined to determine if/why they are operationally down. The underlying transport network supporting the site may also be unreliable.		

Table 25-76 SiteManagementVlanConflict

Alarm	Attributes	Applicable major NE releases
Name: SiteManagementVlanConflict (223) Type: configurationAlarm (11) Package: vlan Raised on class: vlan.Site	Severity: warning Implicitly cleared: true Default probable cause: topologyMisconfigured (81)	<ul style="list-style-type: none"> • 6.6.1 • 6.6.2 • 6.6.3 • 6.6.4
Description: The alarm is raised when the management VLAN ID is used for another type of service.		
Raising condition: ('managementVlanConflict' EQUAL 'true')		
Clearing condition: ('managementVlanConflict' EQUAL 'false')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: Ensure that the VLAN ID of this Management Service Site is not used on any other type of VLAN Service Site.		

(2 of 2)

Table 25-77 SiteVlanSubTypeConflict

Alarm	Attributes	Applicable major NE releases
Name: SiteVlanSubTypeConflict (224) Type: configurationAlarm (11) Package: vlan Raised on class: vlan.Site	Severity: major Implicitly cleared: true Default probable cause: topologyMisconfigured (81)	<ul style="list-style-type: none"> • 6.6.1 • 6.6.2 • 6.6.3 • 6.6.4
Description: The alarm is raised when more than one type of VLAN service has the same VLAN ID. The alarm is raised against a site.		
Raising condition: ('vlanSubTypeConflict' EQUAL 'true')		
Clearing condition: ('vlanSubTypeConflict' EQUAL 'false')		
Remedial action: Ensure that only one type of VLAN Service is configured with the VLAN ID used by this Site.		

Table 25-78 StatsRetrieveFailed

Alarm	Attributes	Applicable major NE releases
Name: StatsRetrieveFailed (244) Type: configurationAlarm (11) Package: sw Raised on class: sw.AccountingStatsRetrievalManager	Severity: major Implicitly cleared: false Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> • 6.6.1 • 6.6.2 • 6.6.3 • 6.6.4
Description: The alarm is raised when the 5620 SAM main or auxiliary server cannot transfer an accounting file from an NE.		
Raising condition: (('Stats Retrieval State' NOT EQUAL 'Success') AND ('Stats Retrieval State' NOT EQUAL 'Not Attempted'))		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy or otherwise cannot respond to the 5620 SAM main or auxiliary server.		

Table 25-79 SubscriberSystemNextHopUsageHigh

Alarm	Attributes	Applicable major NE releases
Name: SubscriberSystemNextHopUsageHigh (5157) Type: thresholdCrossed (6) Package: netw Raised on class: netw.NetworkElement	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> • 6.6.1 • 6.6.2 • 6.6.3 • 6.6.4

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit.		
Raising condition: ('IP Next Hop Usage High' EQUAL 'true')		
Clearing condition: ('IP Next Hop Usage High' EQUAL 'false')		
Remedial action: The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit. There is no immediate effect, but when the usage actually hits the limit, new hosts will not get their managed routes.		

(2 of 2)

Table 25-80 TemperatureThresholdCrossed

Alarm	Attributes	Applicable major NE releases
Name: TemperatureThresholdCrossed (7) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Environment	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> • 6.6.1 • 6.6.2 • 6.6.3 • 6.6.4
Description: The alarm is raised when a temperature crosses a threshold.		
Raising condition: ('temperatureThresholdCrossed' EQUAL 'true')		
Clearing condition: ('temperatureThresholdCrossed' EQUAL 'false')		
Remedial action: The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 25-81 TlsSiteDown

Alarm	Attributes	Applicable major NE releases
Name: TlsSiteDown (163) Type: ProtocolAlarm (1) Package: layer2 Raised on class: layer2.TlsSite	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 6.6.1 • 6.6.2 • 6.6.3 • 6.6.4
Description: The alarm is raised when MVR is disabled on an NE and a TLS VLAN or MVR VLAN service is provisioned on the NE.		
Raising condition: ('TLS Admin Status' EQUAL 'Disabled')		
Clearing condition: ('TLS Admin Status' EQUAL 'Enabled')		
Remedial action: To clear the alarm, enable TLS Admin Status under the Bridge Instance.		

Table 25-82 TmnxEqPortEtherLoopDetected

Alarm	Attributes	Applicable major NE releases
Name: TmnxEqPortEtherLoopDetected (461) Type: portEtherLoopDetected (48) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> • 6.6.1 • 6.6.2 • 6.6.3 • 6.6.4
Description: The alarm is raised when a device detects a physical loop on an Ethernet port.		
Raising condition: (('Down When Looped Status' EQUAL 'Loop Detected'))		
Clearing condition: (('Down When Looped Status' EQUAL 'No Loop Detected'))		
Remedial action: An Ethernet port has been mis-cabled - please remove the loopback cable on the port.		

Table 25-83 TrapDestinationMisconfigured

Alarm	Attributes	Applicable major NE releases
Name: TrapDestinationMisconfigured (33) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: trapDestinationMisconfigured (26) Applicable probable causes: <ul style="list-style-type: none"> • trapDestinationMisconfigured • duplicateTrapLogId 	<ul style="list-style-type: none"> • 6.6.1 • 6.6.2 • 6.6.3 • 6.6.4
Description: The alarm is raised when the 5620 SAM cannot be added to the NE's SNMP trap destinations.		
Raising condition: ('isTrapDestinationMisconfigured' EQUAL 'true')		
Clearing condition: ('isTrapDestinationMisconfigured' EQUAL 'false')		
Remedial action: A configuration error has been made which must be corrected. The SNMP trap destination on the NE must be configured to the IP address of the SAM server.		

Table 25-84 TrapReceivingFailure

Alarm	Attributes	Applicable major NE releases
Name: TrapReceivingFailure (1083) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: false Default probable cause: trapsWillNotBeSent (822)	<ul style="list-style-type: none"> • 6.6.1 • 6.6.2 • 6.6.3 • 6.6.4
Description: This user-defined alarm is raised when the NE is unable to send traps because the NE configuration is one of the following: - The Management IP Selection is set to Out Of Band Only, the Primary Route Preference is set to In Band, and the Secondary Route Preference is set to None. - The Management IP Selection is set to In Band Only, the Primary Route Preference is set to Out Of Band, and the Secondary Route Preference is set to None.		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Raising condition: (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
Clearing condition: (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND ('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND ('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band'))))		
Remedial action: A configuration error has been made which must be corrected. The configuration error must be corrected per the discussion in the description for this alarm.		

(2 of 2)

Table 25-85 TrapRoutePreferenceRedundancyMissing

Alarm	Attributes	Applicable major NE releases
Name: TrapRoutePreferenceRedundancyMissing (1084) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: trapsRedundancyMissing (823)	<ul style="list-style-type: none"> • 6.6.1 • 6.6.2 • 6.6.3 • 6.6.4
Description: The user-defined alarm is raised when NE management redundancy is configured without trap route preference redundancy.		
Raising condition: (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
Clearing condition: (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Secondary Route Preference' NOT EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Secondary Route Preference' NOT EQUAL 'None'))))		
Remedial action: A configuration error has been made which must be corrected. The IP address of the standby SAM server must be configured on the NE in question.		

Table 25-86 UnidentifiedNode

Alarm	Attributes	Applicable major NE releases
Name: UnidentifiedNode (1922) Type: communicationsAlarm (4) Package: netw Raised on class: netw.DiscoveredNode	Severity: major Implicitly cleared: true Default probable cause: unidentifiedNode (922)	<ul style="list-style-type: none"> • 6.6.1 • 6.6.2 • 6.6.3 • 6.6.4
Description: The alarm is raised when the node being discovered can not be properly identified.		
Raising condition: ('State' EQUAL 'Pending Identification')		
Clearing condition: ('State' NOT EQUAL 'Pending Identification')		
Remedial action: A configuration error has occurred that must be corrected. The eNodeB does not have a system name. The name can be configured by selecting the alarm, opening the associated properties form for the alarmed object and configuring the system name.		

Table 25-87 UnmanageFailed

Alarm	Attributes	Applicable major NE releases
Name: UnmanageFailed (300) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.NodeDiscoveryControl	Severity: warning Implicitly cleared: true Default probable cause: unableToDeleteNode (231)	<ul style="list-style-type: none"> • 6.6.1 • 6.6.2 • 6.6.3 • 6.6.4
Description: The alarm is raised when an attempt to unmanage an NE fails.		
Raising condition: ('Site State' EQUAL 'unmanage failed')		
Clearing condition: ('Site State' NOT EQUAL 'unmanage failed')		
Remedial action: Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 25-88 unsupportedPortUsage

Alarm	Attributes	Applicable major NE releases
Name: unsupportedPortUsage (5184) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: warning Implicitly cleared: true Default probable cause: incompatiblePortUsage (2100)	<ul style="list-style-type: none"> • 6.6.1 • 6.6.2 • 6.6.3 • 6.6.4
Description: The alarm is raised in case unsupported port type is configured		
Raising condition: (('portId' >= '1L') AND ('portId' <= '4L') AND ('specificCardType' EQUAL 'EASv2') AND (('Port Usage' EQUAL 'MPT-HC') OR ('Port Usage' EQUAL 'MPT-MC')))"		
Clearing condition: NOT (((('portId' >= '1L') AND ('portId' <= '4L') AND ('specificCardType' EQUAL 'EASv2') AND (('Port Usage' EQUAL 'MPT-HC') OR ('Port Usage' EQUAL 'MPT-MC')))))"		
Remedial action: This alarm indicates unsupported port usage. Port usage configured on the NE is not supported by SAM.		

Table 25-89 UpgradedBuildVersionMismatch

Alarm	Attributes	Applicable major NE releases
Name: UpgradedBuildVersionMismatch (174) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: upgradedImageNotBooted (137)	<ul style="list-style-type: none"> • 6.6.1 • 6.6.2 • 6.6.3 • 6.6.4
Description: The alarm is raised when the software version that an NE reports after a software upgrade does not match the version of the software used for the upgrade.		
Raising condition: ('upgradedBuildVersionMismatch' EQUAL 'true')		
Clearing condition: ('upgradedBuildVersionMismatch' EQUAL 'false')		
Remedial action: Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 25-90 upgradedCardAlarm

Alarm	Attributes	Applicable major NE releases
Name: upgradedCardAlarm (255) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: upgradedCard (194)	<ul style="list-style-type: none"> • 6.6.1 • 6.6.2 • 6.6.3 • 6.6.4
Description: The alarm is raised when the standby CPM is rebooted and operational after a software upgrade. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
Raising condition: ('operationalState' EQUAL 'Upgrade')		
Clearing condition: ('operationalState' EQUAL 'Up')		
Remedial action: Informational - no corrective action required.		

Table 25-91 VersionConfigRestoreFailed

Alarm	Attributes	Applicable major NE releases
Name: VersionConfigRestoreFailed (536) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: versionMismatch (405)	<ul style="list-style-type: none"> • 6.6.1 • 6.6.2 • 6.6.3 • 6.6.4
Description: The alarm is raised when the restore procedure on an NE fails because of a mismatch between the backup file set version and the NE software version.		
Raising condition: ('lastNmsVersionRestoreState' EQUAL 'Failure')		
Clearing condition: ('lastNmsVersionRestoreState' EQUAL 'Success')		
Remedial action: The backup files being restored do not match with the version of node software release. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

Table 25-92 WrongCpaaSoftwareVersion

Alarm	Attributes	Applicable major NE releases
Name: WrongCpaaSoftwareVersion (791) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: wrongCpaaSoftwareVersion (559)	<ul style="list-style-type: none"> • 6.6.1 • 6.6.2 • 6.6.3 • 6.6.4
Description: The alarm is raised when the 7701 CPAA software is the wrong version and requires an upgrade.		
Raising condition: (('Software Version' EQUAL 'TiMOS-B-3.0.Generic') AND ('Chassis Type' EQUAL '7701 CPAA'))		
Clearing condition: (('Software Version' NOT EQUAL 'TiMOS-B-3.0.Generic') AND ('Chassis Type' EQUAL '7701 CPAA'))		
Remedial action: The SW version of the CPAA must be upgraded to the version compatible with CPAM version.		

26 — Alcatel-Lucent OS6400 alarms



Note — Some alarms that the 5620 SAM can raise against this device may not be listed in this chapter. Associating alarms with specific NE types is an ongoing Alcatel-Lucent effort. If the 5620 SAM raises an alarm against this device type, and the alarm is not described in this chapter, see chapter 35 for information about the alarm.

Table 26-1 AccessInterfaceDown

Alarm	Attributes	Applicable major NE releases
Name: AccessInterfaceDown (249) Type: AccessInterfaceAlarm (32) Package: service Raised on class: service.AccessInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when an L2 or L3 interface operational state is Down. The alarm is not raised against an L2 access interface that is associated with an MC ring or MC LAG in the standby state.		
Raising condition: (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'Standby For MC-Ring') AND ('State Cause' NOT EQUAL 'Standby For MC-Lag') AND ('State Cause' NOT EQUAL 'Standby For BGP Multi-homing'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'Standby For MC-Ring') OR ('State Cause' EQUAL 'Standby For MC-Lag') OR ('State Cause' EQUAL 'Standby For BGP Multi-homing'))		
Remedial action: The condition exists because the physical interface is down either because it is administratively disabled, faulty or a cabling fault has occurred. Ensure that the interface is administratively up. Check for a poor cable connection to the port or for a faulty cable/fiber. If neither appears to be the problem run diagnostics on the port to determine if it is faulty.		

Table 26-2 ActiveAbnormalCondition

Alarm	Attributes	Applicable major NE releases
Name: ActiveAbnormalCondition (3938) Type: activeAbnormalConditionAlarm (116) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ActiveAbnormalConditionState (1520)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is an indication for abnormal condition on NE.		
Raising condition: ('abnormalCondition' EQUAL 'true')		
Clearing condition: ('abnormalCondition' EQUAL 'false')		
Remedial action: This alarm is raised when there is a abnormal state indication on NE.		

Table 26-3 AGWDiameterPeerDown

Alarm	Attributes	Applicable major NE releases
Name: AGWDiameterPeerDown (844) Type: EpcAlarm (59) Package: lte Raised on class: lte.AGWDiameterPeer	Severity: variable Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when the path management state of a Diameter peer changes to a state other than Up.		
Raising condition: ('Path Diameter Management State' NOT EQUAL 'Active')		
Clearing condition: ('Path Diameter Management State' EQUAL 'Active')		
Remedial action: A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

Table 26-4 AuxiliaryServerStatus

Alarm	Attributes	Applicable major NE releases
Name: AuxiliaryServerStatus (311) Type: communicationsAlarm (4) Package: server Raised on class: server.AuxiliaryServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when a 5620 SAM main server cannot communicate with an auxiliary server. The alarm clears when communication is restored.		
Raising condition: ('Server Status' EQUAL 'Down')		
Clearing condition: ('Server Status' EQUAL 'Up')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the AUX and SAM servers is unreliable.		

Table 26-5 BootableConfigBackupFailed

Alarm	Attributes	Applicable major NE releases
Name: BootableConfigBackupFailed (103) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when the 5620 SAM fails to back up a set of NE configuration files.		
Raising condition: ('Backup State' EQUAL 'Failure')		
Clearing condition: ('Backup State' EQUAL 'Success')		
Remedial action: Investigation is required to resolve the following possible scenarios: insufficient disk space is available to accommodate the NE configuration files (additional SAM platform alarms will accompany this alarm); the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

Table 26-6 BootableConfigRestoreFailed

Alarm	Attributes	Applicable major NE releases
Name: BootableConfigRestoreFailed (104) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when the 5620 SAM fails to restore a set of NE configuration files.		
Raising condition: ('Restore State' EQUAL 'Failure')		
Clearing condition: ('Restore State' EQUAL 'Success')		
Remedial action: Investigation is required to resolve the following possible scenarios: the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

Table 26-7 BootParametersMisconfigured

Alarm	Attributes	Applicable major NE releases
Name: BootParametersMisconfigured (35) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: persistentIndexFailure (30) Applicable probable causes: <ul style="list-style-type: none"> • persistentIndexFailure • configFileBootFailure 	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when the SNMP Index Boot Status on an NE is not set to Persistent.		
Raising condition: (('isGenericNode' EQUAL 'false') AND ('State' NOT EQUAL 'Pre-provisioned') AND (('Config File Status' NOT EQUAL 'Executed Successfully') OR ('Persistent Index Status' NOT EQUAL 'Rebuild Succeeded')))		

(1 of 2)

26 – Alcatel-Lucent OS6400 alarms

Alarm	Attributes	Applicable major NE releases
Clearing condition: (('Config File Status' EQUAL 'Executed Successfully') AND ('Persistent Index Status' EQUAL 'Rebuild Succeeded'))		
Remedial action: Ensure that "SNMP Index Boot Status" is persistent (using cli command "show system information" on the NE). If not, unmanage the network element from SAM, ensure that "persist on" is set in the bof file, save the bof, save a config file, verify that an index file (.ndx) is saved as well, reboot the router, verify that SNMP Index Boot Status is persistent and finally remanage the router from SAM.		

(2 of 2)

Table 26-8 ClientDelegateServerStatus

Alarm	Attributes	Applicable major NE releases
Name: ClientDelegateServerStatus (731) Type: communicationsAlarm (4) Package: server Raised on class: server.ClientDelegateServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when a client delegate server is unreachable.		
Raising condition: ('Server Status' EQUAL 'Down')		
Clearing condition: ('Server Status' EQUAL 'Up')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the client delegate platform and SAM servers is unreliable or the client delegate server itself is unreliable.		

Table 26-9 ContainingEquipmentAdministrativelyDown

Alarm	Attributes	Applicable major NE releases
Name: ContainingEquipmentAdministrativelyDown (466) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: minor Implicitly cleared: true Default probable cause: containingEquipmentAdministrativelyDown (330)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentAdministrativelyDown.		
Raising condition: (('Status' EQUAL 'Parent Admin Down') AND ('isTerminatable' EQUAL 'true'))		
Clearing condition: (('Status' NOT EQUAL 'Parent Admin Down') OR ('isTerminatable' NOT EQUAL 'true'))		
Remedial action: Informational - no corrective action required.		

Table 26-10 ContainingEquipmentMismatch

Alarm	Attributes	Applicable major NE releases
Name: ContainingEquipmentMismatch (464) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentMismatch (328)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentMismatch.		
Raising condition: (('Status' EQUAL 'Parent Type Mismatch') AND ('isTerminatable' EQUAL 'true'))		
Clearing condition: (('Status' NOT EQUAL 'Parent Type Mismatch') OR ('isTerminatable' NOT EQUAL 'true'))		
Remedial action: A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

Table 26-11 ContainingEquipmentOperationallyDown

Alarm	Attributes	Applicable major NE releases
Name: ContainingEquipmentOperationallyDown (465) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentDown (329)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentOperationallyDown.		
Raising condition: (('Status' EQUAL 'Parent Oper Down') AND ('isTerminatable' EQUAL 'true'))		
Clearing condition: (('Status' NOT EQUAL 'Parent Oper Down') OR ('isTerminatable' NOT EQUAL 'true'))		
Remedial action: The operational state of the equipment element indicated in the alarm is down. This may be due to the element's administrative state or it may indicate that the element has failed.		

Table 26-12 CorruptImageFile

Alarm	Attributes	Applicable major NE releases
Name: CorruptImageFile (171) Type: configurationAlarm (11) Package: mediation Raised on class: mediation.AbstractSoftwareFolderDescriptor	Severity: critical Implicitly cleared: true Default probable cause: invalidOrCorruptImageFile (134)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when one or more files in the 5620 SAM software image specified for a device software upgrade is invalid, corrupt or absent. The 5620 SAM validates a device software file set before it imports the file set and distributes it to an NE. Ensure that the file set downloads properly to the NE and is not tampered with before you re-attempt the upgrade. The alarm clears when a valid file set is on the NE and the 5620 SAM activates the software image in the file set.		
Raising condition: ('isImageValid' EQUAL 'false')		

(1 of 2)

26 – Alcatel-Lucent OS6400 alarms

Alarm	Attributes	Applicable major NE releases
Clearing condition: ('isImageValid' EQUAL 'true')		
Remedial action: The existing SW image in the SAM database should be replaced with an image that is known to be complete and valid.		

(2 of 2)

Table 26-13 DDMAux1HighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMAux1HighAlarm (495) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: aux1HighAlarm (381)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when the manufacturer-specific Auxiliary 1 of the XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux1 High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux1 High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 26-14 DDMAux1HighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMAux1HighWarning (494) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: aux1HighWarning (380)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when the manufacturer-specific Auxiliary 1 of the XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux1 High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux1 High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 26-15 DDMAux1LowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMAux1LowAlarm (493) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: aux1LowAlarm (379)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when the manufacturer-specific Auxiliary 1 of the XFP reaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux1 Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux1 Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

(2 of 2)

Table 26-16 DDMAux1LowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMAux1LowWarning (492) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: aux1LowWarning (378)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when the manufacturer-specific Auxiliary 1 of the XFP approaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux1 Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux1 Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 26-17 DDMAux2HighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMAux2HighAlarm (499) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: aux2HighAlarm (385)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when the manufacturer-specific Auxiliary 2 of the XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux2 High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux2 High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 26-18 DDMAux2HighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMAux2HighWarning (498) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: aux2HighWarning (384)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when the manufacturer-specific Auxiliary 2 of the XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux2 High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux2 High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 26-19 DDMAux2LowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMAux2LowAlarm (497) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: aux2LowAlarm (383)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when the manufacturer-specific Auxiliary 2 of the XFP reaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux2 Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux2 Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 26-20 DDMAux2LowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMAux2LowWarning (496) Type: communicatiothresholdAlarmnsAlarm (50) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: aux2LowWarning (382)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when the manufacturer-specific Auxiliary 2 of the XFP approaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux2 Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux2 Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 26-21 DDMRxOpticalPowerHighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMRxOpticalPowerHighAlarm (491) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: rxOpticalPowerHighAlarm (377)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when the received optical power of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBitRx Optical Power High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBitRx Optical Power High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 26-22 DDMRxOpticalPowerHighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMRxOpticalPowerHighWarning (490) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: rxOpticalPowerHighWarning (376)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when the received optical power of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBitRx Optical Power High Warning')		
Clearing condition: NOT (('failedThresholds'anyBitRx Optical Power High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 26-23 DDMRxOpticalPowerLowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMRxOpticalPowerLowAlarm (489) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: rxOpticalPowerLowAlarm (375)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when the received optical power of an SFP or XFP reaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBitRx Optical Power Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBitRx Optical Power Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 26-24 DDMRxOpticalPowerLowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMRxOpticalPowerLowWarning (488) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: rxOpticalPowerLowWarning (374)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when the received optical power of an SFP or XFP approaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBitRx Optical Power Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBitRx Optical Power Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 26-25 DDMSupplyVoltageHighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMSupplyVoltageHighAlarm (479) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: supplyVoltageHighAlarm (365)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when the supply voltage of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBitSupply Voltage High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBitSupply Voltage High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 26-26 DDMSupplyVoltageHighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMSupplyVoltageHighWarning (478) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: supplyVoltageHighWarning (364)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when the supply voltage of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBitSupply Voltage High Warning')		
Clearing condition: NOT (('failedThresholds'anyBitSupply Voltage High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 26-27 DDMSupplyVoltageLowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMSupplyVoltageLowAlarm (477) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: supplyVoltageLowAlarm (363)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when the supply voltage of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Supply Voltage Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Supply Voltage Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 26-28 DDMSupplyVoltageLowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMSupplyVoltageLowWarning (476) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: supplyVoltageLowWarning (362)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when the supply voltage of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Supply Voltage Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Supply Voltage Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 26-29 DDMTemperatureHighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTemperatureHighAlarm (475) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: temperatureHighAlarm (361)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when the temperature of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Temperature High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Temperature High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 26-30 DDMTemperatureHighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTemperatureHighWarning (474) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: temperatureHighWarning (360)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when the temperature of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Temperature High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Temperature High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 26-31 DDMTemperatureLowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTemperatureLowAlarm (473) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: temperatureLowAlarm (359)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when the temperature of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Temperature Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Temperature Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 26-32 DDMTemperatureLowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTemperatureLowWarning (472) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: temperatureLowWarning (358)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when the temperature of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Temperature Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Temperature Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 26-33 DDMTxBiasCurrentHighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTxBiasCurrentHighAlarm (483) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: txBiasCurrentHighAlarm (369)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when the transmit bias current of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Bias Current High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Bias Current High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 26-34 DDMTxBiasCurrentHighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTxBiasCurrentHighWarning (482) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: txBiasCurrentHighWarning (368)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when the transmit bias current of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Bias Current High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Bias Current High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 26-35 DDMTxBiasCurrentLowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTxBiasCurrentLowAlarm (481) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: txBiasCurrentLowAlarm (367)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when the transmit bias current of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Bias Current Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Bias Current Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 26-36 DDMTxBiasCurrentLowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTxBiasCurrentLowWarning (480) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: txBiasCurrentLowWarning (366)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when the transmit bias current of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Bias Current Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Bias Current Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 26-37 DDMTxOutputPowerHighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTxOutputPowerHighAlarm (487) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: txOutputPowerHighAlarm (373)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when the output power of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Output Power High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Output Power High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 26-38 DDMTxOutputPowerHighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTxOutputPowerHighWarning (486) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: txOutputPowerHighWarning (372)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when the output power of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Output Power High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Output Power High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 26-39 DDMTxOutputPowerLowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTxOutputPowerLowAlarm (485) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: txOutputPowerLowAlarm (371)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when the output power of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Output Power Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Output Power Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 26-40 DDMTxOutputPowerLowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTxOutputPowerLowWarning (484) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: txOutputPowerLowWarning (370)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when the output power of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Output Power Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Output Power Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 26-41 downgradedCardAlarm

Alarm	Attributes	Applicable major NE releases
Name: downgradedCardAlarm (256) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: downgradedCard (195)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when an IOM is not upgraded or reset after a device software upgrade of both CPMs. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
Raising condition: ('operationalState' EQUAL 'Downgrade')		
Clearing condition: ('operationalState' EQUAL 'Up')		
Remedial action: Informational - no corrective action required.		

Table 26-42 EfmOamAlarm

Alarm	Attributes	Applicable major NE releases
Name: EfmOamAlarm (4617) Type: equipmentAlarm (3) Package: ethernetEquipment Raised on class: ethernetEquipment.Dot3Oam	Severity: minor Implicitly cleared: true Default probable cause: EFMOperationalStateOutOfService (1886)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when EFM Ignore status is Enabled, and Physical port Administrative State is Down.		
Raising condition: ('Ignore EFM State' EQUAL 'true')		
Clearing condition: ('Ignore EFM State' EQUAL 'true')		
Remedial action: The alarm is raised when EFM Ignore status is Enabled, and Physical port Administrative State is Down.		

Table 26-43 EquipmentAdministrativelyDown

Alarm	Attributes	Applicable major NE releases
Name: EquipmentAdministrativelyDown (455) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: minor Implicitly cleared: true Default probable cause: equipmentAdministrativelyDown (326)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentAdministrativelyDown.		
Raising condition: ('compositeEquipmentState' EQUAL 'Admin Down')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Admin Down')		
Remedial action: Informational - no corrective action required.		

Table 26-44 EquipmentDegraded

Alarm	Attributes	Applicable major NE releases
Name: EquipmentDegraded (604) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: minor Implicitly cleared: true Default probable cause: singleFanFailure (450)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when a single fan fails. The chassis attempts to continue operating within the normal temperature range using only the remaining fans.		
Raising condition: ('Device State' EQUAL 'MinorFailure')		
Clearing condition: ('Device State' NOT EQUAL 'MinorFailure')		
Remedial action: The failed fan unit should be replaced.		

Table 26-45 EquipmentDown

Alarm	Attributes	Applicable major NE releases
Name: EquipmentDown (10) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: inoperableEquipment (8)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentOperationallyDown.		
Raising condition: ('compositeEquipmentState' EQUAL 'Oper Down')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Oper Down')		
Remedial action: This alarm indicates that a card in the NE has failed. The card must be replaced.		

Table 26-46 EquipmentFailure

Alarm	Attributes	Applicable major NE releases
Name: EquipmentFailure (145) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.ReplaceableUnit	Severity: critical Implicitly cleared: true Default probable cause: cardFailure (123)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when a control processor or power-supply tray reports a failure. When the object type is ControlProcessor, a CPM may be unable to boot. When the object type is Power Supply Tray and the alarm is raised during device discovery, a power-supply tray may be out of service. When the object type is a Power Supply Tray and the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
Raising condition: ('operationalState' EQUAL 'Failed')		
Clearing condition: ('operationalState' NOT EQUAL 'Failed')		
Remedial action: If the alarm indicates that the CPM card has a fault, remove the card and reset it. If this does not clear the alarm then please contact Alcatel-Lucent support for assistance. If the alarm indicates that the Power Supply tray is out of service ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 26-47 EquipmentInTest

Alarm	Attributes	Applicable major NE releases
Name: EquipmentInTest (11) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: warning Implicitly cleared: true Default probable cause: equipmentInTest (9)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when equipment enters a diagnostic state.		
Raising condition: ('compositeEquipmentState' EQUAL 'In Test')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'In Test')		

(1 of 2)

26 – Alcatel-Lucent OS6400 alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: Informational - no corrective action required.		

(2 of 2)

Table 26-48 EquipmentMismatch

Alarm	Attributes	Applicable major NE releases
Name: EquipmentMismatch (9) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: equipmentTypeMismatch (7)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMismatch.		
Raising condition: ('compositeEquipmentState' EQUAL 'Type Mismatch')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Type Mismatch')		
Remedial action: A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

Table 26-49 EquipmentRemoved

Alarm	Attributes	Applicable major NE releases
Name: EquipmentRemoved (8) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: replaceableEquipmentRemoved (6)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMissing.		
Raising condition: (('compositeEquipmentState' EQUAL 'Removed') AND ('isEquipmentInserted' EQUAL 'true'))		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Removed')		
Remedial action: Informational - this alarm is raised when a card is removed.		

Table 26-50 EthernetPortConfiguredLoopback

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortConfiguredLoopback (801) Type: configurationAlarm (11) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: warning Implicitly cleared: true Default probable cause: ethernetPortConfiguredLoopback (567)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when a timed loopback is in effect for an Ethernet port.		
Raising condition: (('Type' NOT EQUAL 'None'))		
Clearing condition: (('Type' EQUAL 'None'))		
Remedial action: This alarm has been raised by the node because "Timed Loopback" option of the specific port's Ethernet property has been enabled. To resolve this problem from "Ethernet" tab of "Physical Port" properties form configure "Timed Loopback" Type property as "None".		

(2 of 2)

Table 26-51 EthernetPortDuplicateLane

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortDuplicateLane (3557) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: DuplicateLane (1387)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when a device reports a Duplicate Lane on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 26-52 EthernetPortHighBer

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortHighBer (307) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when a device reports a high bit-error rate on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))		
Remedial action: One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 26-53 EthernetPortLocalFault

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortLocalFault (305) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: LocalFault (236)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when a device reports a local fault on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))		
Remedial action: One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 26-54 EthernetPortNoAmLock

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortNoAmLock (3558) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoAmLock (1388)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when a device reports a No Am Lock on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 26-55 EthernetPortNoBlockLock

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortNoBlockLock (3559) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoBlockLock (1389)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when a device reports a No Block Lock on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock'))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: NOT (((('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock'))))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

(2 of 2)

Table 26-56 EthernetPortNoFrameLock

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortNoFrameLock (306) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoFrameLock (237)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when a device reports No Frame Lock on an Ethernet port.		
Raising condition: ((('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock')))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock'))))		
Remedial action: One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 26-57 EthernetPortRemoteFault

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortRemoteFault (304) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: RemoteFault (235)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when a device reports a remote fault on an Ethernet port.		
Raising condition: ((('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault')))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault'))))		
Remedial action: One of the following conditions exists on the remote physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 26-58 EthernetPortSignalFailure

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortSignalFailure (303) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: SignalFailure (234)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when a device reports a signal failure on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))		
Remedial action: One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 26-59 FanFailure

Alarm	Attributes	Applicable major NE releases
Name: FanFailure (624) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: fanFailure (116)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when the associated fan is not operationally Up.		
Raising condition: (('Device State' EQUAL 'Failed') OR ('Device State' EQUAL 'Unknown') OR ('Device State' EQUAL 'OutOfService'))		
Clearing condition: ('Device State' EQUAL 'OK')		
Remedial action: Remove and reset the fan unit. If this does not resolve the problem replace the fan.		

Table 26-60 FanTrayRemoved

Alarm	Attributes	Applicable major NE releases
Name: FanTrayRemoved (569) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: FanTrayRemoved (438)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when the deviceState attribute has a value of deviceNotEquipped.		
Raising condition: ('Device State' EQUAL 'Not Equipped')		
Clearing condition: ('Device State' NOT EQUAL 'Not Equipped')		
Remedial action: Informational - a fan tray has been removed from the NE.		

Table 26-61 FrameSizeProblem (netw)

Alarm	Attributes	Applicable major NE releases
Name: FrameSizeProblem (37) Type: configurationAlarm (11) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: frameSizeProblem (33)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when a provisioned MTU size value is greater than the supported MTU size value.		
Raising condition: (('mtuMismatch' EQUAL 'true') AND ('portId' NOT EQUAL '0L'))		
Clearing condition: (('mtuMismatch' EQUAL 'false') OR ('portId' EQUAL '0L'))		
Remedial action: A configuration error has been made which must be corrected. The MTU value must be changed such that is less than or equal to the supported MTU size value.		

Table 26-62 GaPeerDown

Alarm	Attributes	Applicable major NE releases
Name: GaPeerDown (3303) Type: EpcAlarm (59) Package: Iteggns Raised on class: Iteggns.GaPeer	Severity: major Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when the path management state of a Ga peer changes to a state other than Up.		
Raising condition: ('Path Management State' NOT EQUAL 'Active')		
Clearing condition: ('Path Management State' EQUAL 'Active')		
Remedial action: A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

Table 26-63 IfVlanSubTypeConflict

Alarm	Attributes	Applicable major NE releases
Name: IfVlanSubTypeConflict (213) Type: configurationAlarm (11) Package: vlan Raised on class: vlan.L2AccessInterface	Severity: major Implicitly cleared: true Default probable cause: topologyMisconfigured (81)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when more than one type of VLAN service is configured with the same VLAN ID. The alarm is raised against an L2 access interface.		
Raising condition: ('vlanSubTypeConflict' EQUAL 'true')		
Clearing condition: ('vlanSubTypeConflict' EQUAL 'false')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: Ensure that only one type of VLAN Service is configured with the VLAN ID used by this Interface.		

(2 of 2)

Table 26-64 IgmpDown

Alarm	Attributes	Applicable major NE releases
Name: IgmpDown (158) Type: ProtocolAlarm (1) Package: igmp Raised on class: igmp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when an IGMP site has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: While configured under VPRN, check if VPRN site is admin down, or if route distinguisher is not configured.		

Table 26-65 IgmpSnoopingDown

Alarm	Attributes	Applicable major NE releases
Name: IgmpSnoopingDown (161) Type: ProtocolAlarm (1) Package: layer2 Raised on class: layer2.Bridge	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when IGMP snooping is disabled on an NE and a TLS VLAN or MVR VLAN service is provisioned on the NE.		
Raising condition: ('IGMP Snooping' EQUAL 'Disabled')		
Clearing condition: ('IGMP Snooping' EQUAL 'Enabled')		
Remedial action: To clear the alarm, enable IGMP Snooping under the Bridge Instance.		

Table 26-66 IncompleteConfiguration

Alarm	Attributes	Applicable major NE releases
Name: IncompleteConfiguration (1942) Type: operationalViolation (93) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: incompleteConfig (225)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when a pre-provisioned NE has no objects configured beneath it.		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Raising condition: (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' EQUAL '\'))		
Clearing condition: (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' NOT EQUAL '\'))		
Remedial action: A configuration error has been made which must be corrected. The configuration of the pre-provisioned NE is incomplete. A work order was not associated with the pre-provisioned NE and as a consequence the attempt to auto-configure the NE failed.		

(2 of 2)

Table 26-67 InterfaceDown (netw)

Alarm	Attributes	Applicable major NE releases
Name: InterfaceDown (36) Type: InterfaceAlarm (13) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when an interface or underlying resource fails, as indicated by an interface compositeState attribute value of failed or underlyingResourceFailed.		
Raising condition: (('compositeState' EQUAL 'Inoperable') OR ('compositeState' EQUAL 'Underlying Resource Inoperable'))		
Clearing condition: (('compositeState' NOT EQUAL 'Inoperable') AND ('compositeState' NOT EQUAL 'Underlying Resource Inoperable'))		
Remedial action: A physical port (physical interface, LAG, channel) associated with the network interface in not operation. Ensure that the interface is cabled and that there isn't a configuration error (i.e. MTU size set incorrectly) on the interface. Once the issue w		

Table 26-68 LagDown

Alarm	Attributes	Applicable major NE releases
Name: LagDown (20) Type: equipmentAlarm (3) Package: lag Raised on class: lag.Interface	Severity: critical Implicitly cleared: true Default probable cause: lagDown (17)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when all ports in a LAG are operationally down.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
Clearing condition: (('operationalState' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: This alarm indicates that all physical Ethernet links associated with a LAG are operationally down. The reasons for the links to be down may vary from link to link. The following possible causes of this alarm should be investigated. The physical port (near end or far end may have failed - this can be remedied by replacing the interface card in question. The physical links may have been turned down administratively - re-enable the links. A cable failure or disconnect may have occurred - please ensure that the cables are properly connected to the physical port and and that the cable has not been damaged.		

Table 26-69 LagPortAddFailed

Alarm	Attributes	Applicable major NE releases
Name: LagPortAddFailed (422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: warning Implicitly cleared: true Default probable cause: linkDown (315)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when the Lag Port Add function Fails.		
Raising condition: (('state' EQUAL 'Link Down') AND ('LAG ID' > '0'))		
Clearing condition: (('state' NOT EQUAL 'Link Down') OR ('LAG ID' EQUAL '0'))		
Remedial action: A configuration error has occurred which must be corrected. The link that was to be added to the LAG group may be of the wrong type (i.e. non ethernet) or the limit of the number of links supported in a LAG may have been reached.		

Table 26-70 LicensedLimitExceeded

Alarm	Attributes	Applicable major NE releases
Name: LicensedLimitExceeded (127) Type: licensingAlarm (23) Package: security Raised on class: security.ProductLicense	Severity: critical Implicitly cleared: true Default probable cause: licensedLimitExceeded (106)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when the license items in the network exceeds 100 percent of the license capacity.		
Raising condition: ('Exceeded' EQUAL 'true')		
Clearing condition: ('Exceeded' NOT EQUAL 'true')		
Remedial action: Informational - The number of SAM licenses purchased and available on the SAM server is insufficient as compared to the number of NEs/MDA/Cells under management in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

Table 26-71 LinkDown

Alarm	Attributes	Applicable major NE releases
Name: LinkDown (12) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: portLinkProblem (10)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when a port has no associated physical link or remote end point is operationally down.		
Raising condition: (('compositeEquipmentState' EQUAL 'Link Down') OR ('compositeEquipmentState' EQUAL 'Oper Down'))		
Clearing condition: (('compositeEquipmentState' NOT EQUAL 'Link Down') AND ('compositeEquipmentState' NOT EQUAL 'Oper Down'))		
Remedial action: Please make sure that port has physical link and remote end point is operationally up.		

Table 26-72 LowTemperatureDetected

Alarm	Attributes	Applicable major NE releases
Name: LowTemperatureDetected (1127) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOvercooled (838)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when the chassis temperature falls below the minimum threshold.		
Raising condition: ('Low Temperature State' EQUAL 'Low')		
Clearing condition: ('Low Temperature State' NOT EQUAL 'Low')		
Remedial action: The NE has detected internal temperatures which are abnormally low. This may happen when the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 26-73 LowTemperatureThresholdCrossed

Alarm	Attributes	Applicable major NE releases
Name: LowTemperatureThresholdCrossed (1128) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Environment	Severity: major Implicitly cleared: true Default probable cause: equipmentOvercooled (838)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when a low-temperature threshold is crossed.		
Raising condition: ('lowTemperatureThresholdCrossed' EQUAL 'true')		
Clearing condition: ('lowTemperatureThresholdCrossed' EQUAL 'false')		
Remedial action: The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 26-74 LpsViolation

Alarm	Attributes	Applicable major NE releases
Name: LpsViolation (518) Type: learnedPortSecurityAlarm (51) Package: lps Raised on class: lps.LearnedPortSecurity	Severity: major Implicitly cleared: true Default probable cause: learnedPortSecurityViolation (393)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when the 5620 SAM detects an LPS violation.		
Raising condition: ('Operational State' EQUAL 'Security Violated')		
Clearing condition: ('Operational State' EQUAL 'Down')		
Remedial action: Port reset is required to return the port to normal operation.		

Table 26-75 macMoveRateExceeded (service)

Alarm	Attributes	Applicable major NE releases
Name: macMoveRateExceeded (3690) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: minor Implicitly cleared: true Default probable cause: MacMoveRateExceeded (1429)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site.		
Raising condition: ('State Cause'anyBit'Relearn Limit Exceeded')		
Clearing condition: NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		
Remedial action: Informational.		

Table 26-76 macMoveRateExceededNonBlock (service)

Alarm	Attributes	Applicable major NE releases
Name: macMoveRateExceededNonBlock (4893) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: info Implicitly cleared: true Default probable cause: MacMoveRateExceededNonBlock (1951)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site when limitMacMove(sapTIsLimitMacMove) is set to 'nonBlocking'.		
Raising condition: ('State Cause'anyBit'Relearn Limit Exceeded')		
Clearing condition: NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		
Remedial action: Informational - User can adjust the value of 'MAC Move Maximum Rate' to reduce the frequency of this alarm.		

Table 26-77 MepAISReceivedAlarm

Alarm	Attributes	Applicable major NE releases
Name: MepAISReceivedAlarm (2945) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: variable Implicitly cleared: true Default probable cause: missingRemoteMep (388)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when a MEP Receives AIS test frames from one or more of its sub-layer MEPs.		
Raising condition: (('AIS Received (AisRx)' EQUAL 'true') AND ('Facility VLAN ID' EQUAL '0'))		
Clearing condition: ('AIS Received (AisRx)' EQUAL 'false')		
Remedial action: This alarm indicates that it has received a MEP fault from a sub-layer MEP, user should investigate the fault cause on the sub-layer MEP and resolve this root cause issue.		

Table 26-78 MobileConnectorDown

Alarm	Attributes	Applicable major NE releases
Name: MobileConnectorDown (1064) Type: EpcAlarm (59) Package: Iteservice Raised on class: Iteservice.MobileServiceConnector	Severity: minor Implicitly cleared: true Default probable cause: EpcDown (519)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when the 5620 SAM no longer manages the EPS path instance of this mobile service site. As a result, the service must be regenerated.		
Raising condition: ('EPS Path' EQUAL '\\"')		
Clearing condition: ('EPS Path' NOT EQUAL '\\"')		
Remedial action: The underlying transport network has gone down resulting in the deletion of a mobile service connector (EPS path). Correct the issue with the transport network and regenerate the mobile service connector by clicking on the re-calculate button on the mobile service properties form.		

Table 26-79 MvrSiteDown

Alarm	Attributes	Applicable major NE releases
Name: MvrSiteDown (162) Type: ProtocolAlarm (1) Package: layer2 Raised on class: layer2.MvrSite	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when MVR is disabled on an NE and a TLS VLAN or MVR VLAN service is provisioned on the NE.		
Raising condition: ('MVR Admin Status' EQUAL 'Disabled')		
Clearing condition: ('MVR Admin Status' EQUAL 'Enabled')		
Remedial action: To clear the alarm, enable MVR Admin Status under the Bridge Instance.		

Table 26-80 NeManagementAndTrapManagementMismatch

Alarm	Attributes	Applicable major NE releases
Name: NeManagementAndTrapManagementMismatch (1079) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: neManagementChange (817)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: This user-defined alarm is raised when the NE configuration is one of the following: - The Active Management IP is set to Out Of Band, and the Primary Route Preference is set to In Band. - The Active Management IP is set to In Band, and the Primary Route Preference is set to Out of Band.		

(1 of 2)

26 – Alcatel-Lucent OS6400 alarms

Alarm	Attributes	Applicable major NE releases
Raising condition: (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only')) AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only')) AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'Out Of Band'))))		
Clearing condition: (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only')) AND ('Primary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only')) AND ('Primary Route Preference' EQUAL 'Out Of Band'))))		
Remedial action: A configuration error has been made which must be corrected. The parameters described in the description for this alarm must match.		

(2 of 2)

Table 26-81 NewSsh2ServerKeyDetected

Alarm	Attributes	Applicable major NE releases
Name: NewSsh2ServerKeyDetected (285) Type: communicationsAlarm (4) Package: security Raised on class: security.KnownHostKey	Severity: warning Implicitly cleared: true Default probable cause: ssh2ServerKeyMismatch (217)	<ul style="list-style-type: none"> 6.4.3 6.4.4 6.4.5
Description: The alarm is raised when a 5620 SAM main server detects a new public SSH key.		
Raising condition: ('SSH2 Server Key Status' EQUAL 'Mismatch SSH2 Host Key')		
Clearing condition: ('SSH2 Server Key Status' EQUAL 'Active SSH2 Host Key')		
Remedial action: Informational - possible security breach. The SSH key of the router is different from the one known to the SAM server.		

Table 26-82 NodeDatabaseFallbackDetected

Alarm	Attributes	Applicable major NE releases
Name: NodeDatabaseFallbackDetected (2923) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseFallback (1121)	<ul style="list-style-type: none"> 6.4.3 6.4.4 6.4.5
Description: The alarm is raised when a configuration fallback is detected on the node and comes back up with a previous configuration. To correct this situation it might be necessary to reconfigure the node, or perform full resync its database with the 'fallback' configuration returned by the node.		
Raising condition: ('State' EQUAL 'Node Configuration Fallback')		
Clearing condition: ('State' EQUAL 'Managed')		
Remedial action: the NE has come back to a previous configuration. Perform a manual Full Resync or a Reconfigure of the NE		

Table 26-83 NodeDatabaseMisalignmentDetected

Alarm	Attributes	Applicable major NE releases
Name: NodeDatabaseMisalignmentDetected (2924) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseMisalignment (1122)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when a configuration misalignment has been detected on the node and comes back up with an unexpected configuration (configuration change triggered by external tool) To correct this situation it might be necessary to reconfigure the node with the 5620 SAM's old configuration or accept the new configuration received from the node.		
Raising condition: ('State' EQUAL 'Node Configuration Misalignment')		
Clearing condition: ('State' EQUAL 'Managed')		
Remedial action: the NE configuration is misaligned. Perform a resync in order to update SAM configuration according to the NE.		

Table 26-84 NodeSuspended

Alarm	Attributes	Applicable major NE releases
Name: NodeSuspended (5123) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: NodeSuspend (2057)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when the 5620 SAM detects an NE moved to suspend state as per user request.		
Raising condition: ('SNMP Reachability' EQUAL 'Suspended')		
Clearing condition: ('SNMP Reachability' NOT EQUAL 'Suspended')		
Remedial action: This alarm is raised when user suspends the network element. The alarm will be cleared when the network element is managed back.		

Table 26-85 OrphanNodeDetected

Alarm	Attributes	Applicable major NE releases
Name: OrphanNodeDetected (4866) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.AdvertisedNode	Severity: major Implicitly cleared: true Default probable cause: nodeNotManagedByAnyEms (1934)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when node is not managed by any EMS after n retries (threshold crossed) it is manually cleared by the operator or when the node is discovered.		
Raising condition: ('state' EQUAL 'orphan')		
Remedial action: The NE is not managed by any SAM. Add a discovery rule in order to manage it.		

Table 26-86 OverTemperatureDetected

Alarm	Attributes	Applicable major NE releases
Name: OverTemperatureDetected (388) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when the chassis temperature exceeds the maximum threshold value.		
Raising condition: ('Over Temperature State' EQUAL 'Over')		
Clearing condition: ('Over Temperature State' NOT EQUAL 'Over')		
Remedial action: The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 26-87 PartialResyncProblem

Alarm	Attributes	Applicable major NE releases
Name: PartialResyncProblem (4401) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: partialResyncProblem (1578)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when an Partial Resync on an NE fails. For example, when resyncing only some MIB entries as opposed to a full resync. The periodic reachability test (sysUpTime) is not considered a partial resync, neither is a full resync. However, a PartialResyncProblem alarm can only be reset by a FullResync.		
Raising condition: ('partialResyncStatus' EQUAL 'Partial Resync Failed')		
Clearing condition: ('partialResyncStatus' EQUAL 'Partial Resync Done')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE.		

Table 26-88 PersistentIndexParametersMisconfigured

Alarm	Attributes	Applicable major NE releases
Name: PersistentIndexParametersMisconfigured (173) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: persistentIndexConfigurationMismatch (136)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when persistence is set to Off in the NE BOF.		
Raising condition: (('Persistent SNMP Indices' EQUAL 'False') OR (('hasRedundantProcessorCards' EQUAL 'true') AND ('Redundant Synchronization Mode' EQUAL 'None')))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: (('Persistent SNMP Indices' EQUAL 'True') AND (('hasRedundantProcessorCards' EQUAL 'false') OR ('Redundant Synchronization Mode' NOT EQUAL 'None')))		
Remedial action: A configuration error has occurred that must be corrected. Use the CLI on the NE to enable persistency in the BOF. The discovery process will complete on the next discovery scan. A re-scan can be triggered immediately for the NE from within the discovery manager		

(2 of 2)

Table 26-89 PollerProblem

Alarm	Attributes	Applicable major NE releases
Name: PollerProblem (31) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: resyncFailed (24)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
Raising condition: ('Resync Status' EQUAL 'Full Resync Failed')		
Clearing condition: ('Resync Status' EQUAL 'Full Resync Done')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 26-90 PowerSupplyFailure

Alarm	Attributes	Applicable major NE releases
Name: PowerSupplyFailure (633) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: critical Implicitly cleared: true Default probable cause: powerSupplyFailure (117)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when a power-supply tray reports a failure. When the alarm is raised during device discovery, a power-supply tray may be out of service. When the alarm is raised while the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
Raising condition: (('Power Supply 1 Status' EQUAL 'Not Equipped') OR ('Power Supply 1 Status' EQUAL 'Failed'))		
Clearing condition: (('Power Supply 1 Status' EQUAL 'OK'))		
Remedial action: Ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 26-91 PowerSupplyInputFeedDown

Alarm	Attributes	Applicable major NE releases
Name: PowerSupplyInputFeedDown (5422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: minor Implicitly cleared: true Default probable cause: powerSupplyInputFeedDown (2073)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: This alarm is generated if any one of the input feeds for a given power supply is not supplying power.		
Raising condition: (('Input Feed Status' EQUAL 'Input A Down') OR ('Input Feed Status' EQUAL 'Input B Down') OR (('Input Feed Status'allBits'Input A Down') AND ('Input Feed Status'allBits'Input B Down'))		
Clearing condition: ('Input Feed Status' EQUAL 'None')		
Remedial action: Restore all of the input feeds that are not supplying power.		

Table 26-92 PowerSupplyRemoved

Alarm	Attributes	Applicable major NE releases
Name: PowerSupplyRemoved (542) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: major Implicitly cleared: true Default probable cause: PowerSupplyRemoved (415)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when a chassis power supply is removed.		
Raising condition: ('Power Supply 1 Status' EQUAL 'Not Equipped')		
Clearing condition: ('Power Supply 1 Status' NOT EQUAL 'Not Equipped')		
Remedial action: To recover from this event, the customer is requested to add a new power supply to the system, or change a faulty power supply with a working one.		

Table 26-93 PrimaryImageBootFailure

Alarm	Attributes	Applicable major NE releases
Name: PrimaryImageBootFailure (191) Type: configurationAlarm (11) Package: sw Raised on class: sw.CardSoftware	Severity: warning Implicitly cleared: true Default probable cause: bootOptionFileMisconfigured (150)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when the primary software image specified in an NE BOF is unusable.		
Raising condition: (('imageSource' NOT EQUAL 'Primary') AND ('imageSource' NOT EQUAL 'Unknown'))		
Clearing condition: (('imageSource' EQUAL 'Primary') OR ('imageSource' EQUAL 'Unknown'))		
Remedial action: The SW image on the NE may have been inadvertently corrupted. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

Table 26-94 RadiusOperStatusDown

Alarm	Attributes	Applicable major NE releases
Name: RadiusOperStatusDown (3692) Type: radiusOperStatusDownAlarm (105) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: radiusOperationStatusDown (1431)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when all RADIUS servers have gone down.		
Raising condition: ('Global RADIUS Operational State' EQUAL 'Down')		
Clearing condition: ('Global RADIUS Operational State' EQUAL 'Up')		
Remedial action: Verify the RADIUS server is properly configured and radius server state is up. Check the connectivity between SAM server and radius server configured on the Network element.		

Table 26-95 ReachabilityProblem

Alarm	Attributes	Applicable major NE releases
Name: ReachabilityProblem (243) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ReachabilityTestFailed (176)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when an Mediation poll of the SysUpTimeAlarm object on an NE fails, for example, because of network congestion or because the NE is too busy to respond. The probable cause is an unreachable NE Mediation agent on the NE. By default, the 5620 SAM polls a managed NE every two minutes. If a poll fails, the alarm is raised. The 5620 SAM polls the NE two minutes after the first failure. If successive polls fail, the 5620 SAM raises the polling interval for the NE by two minutes after each failure to a maximum of 12 min. The polling interval remains at 12 min until the 5620 SAM receives a response from the NE. The alarm clears when the 5620 SAM receives a response from the NE, and the 5620 SAM GUI icon that represents the NE turns from red to green.		
Raising condition: ('SNMP Reachability' EQUAL 'Down')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 26-96 ReconfigFailure

Alarm	Attributes	Applicable major NE releases
Name: ReconfigFailure (1949) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: failedReconfig (937)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: This alarm is raised when the reconfig action failed.		
Raising condition: ('State' EQUAL 'Failed')		

(1 of 2)

26 – Alcatel-Lucent OS6400 alarms

Alarm	Attributes	Applicable major NE releases
Clearing condition: ('State' NOT EQUAL 'Failed')		
Remedial action: Verify that the object is configured as expected.		

(2 of 2)

Table 26-97 RedundantMepMisconfiguration

Alarm	Attributes	Applicable major NE releases
Name: RedundantMepMisconfiguration (3631) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: minor Implicitly cleared: true Default probable cause: misconfiguredRedundantMep (1416)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when an Active and Redundant MEP do not have the same Id, Operational MAC Address or Sub Group configured.		
Raising condition: ('validRedundantMepConfig' EQUAL 'false')		
Clearing condition: ('validRedundantMepConfig' EQUAL 'true')		
Remedial action: MC-LAG redundant MEP configuration (MEP ID or Mac Address) for Active & Standby Interfaces do not match, this could cause issues with CFM or CCM tests if Active interface changes. Delete and Re-create Standby MEP to match Active.		

Table 26-98 RedundantMepMissing

Alarm	Attributes	Applicable major NE releases
Name: RedundantMepMissing (3632) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: minor Implicitly cleared: true Default probable cause: missingRedundantMep (1417)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when a MEP misses a redundant counterpart on LAG or SAP.		
Raising condition: (('MC-LAG Inactive' NOT EQUAL 'Not Applicable') AND ('Redundant MEP' EQUAL '\'))		
Clearing condition: (('MC-LAG Inactive' EQUAL 'Not Applicable') OR (('MC-LAG Inactive' NOT EQUAL 'Not Applicable') AND ('Redundant MEP' NOT EQUAL '\')))		
Remedial action: MC-LAG redundant MEP is missing Active & Standby Interfaces, this will cause issues with CFM or CCM tests if Active interface changes. Create missing Active/Standby MEP to match existing.		

Table 26-99 RemoteMepCCMAAlarm

Alarm	Attributes	Applicable major NE releases
Name: RemoteMepCCMAAlarm (502) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: major Implicitly cleared: true Default probable cause: missingRemoteMep (388)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when a MEP loses connectivity with one or more remote MEPs. The Remote MEP DB State tab on a MEP lists the missing remote MEPs.		
Raising condition: ('High-Priority Defect' NOT EQUAL '0')		
Clearing condition: ('High-Priority Defect' EQUAL '0')		
Remedial action: MEP has lost communication with Remote MEP defined in Maintenance Association (MEG) Remote MEP list, Either Remote MEP list is incorrect or diagnose connection fault and resolve.		

Table 26-100 RipDown

Alarm	Attributes	Applicable major NE releases
Name: RipDown (72) Type: ProtocolAlarm (1) Package: rip Raised on class: rip.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when a RIP site has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: The RIP Site is down while it is administratively up. Please check the node e.g. IOM is not shutdown or installed.		

Table 26-101 SaveConfigFailed

Alarm	Attributes	Applicable major NE releases
Name: SaveConfigFailed (105) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileAccessError (90)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when the admin save command on an NE fails.		
Raising condition: ('Config Save State' EQUAL 'Failure')		
Clearing condition: ('Config Save State' EQUAL 'Success')		
Remedial action: Attempt the admin save command a second time. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 26-102 ScheduledPollerProblem

Alarm	Attributes	Applicable major NE releases
Name: ScheduledPollerProblem (4386) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: scheduledResyncFailed (1569)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
Raising condition: ('Scheduled Resync Status' EQUAL 'Scheduled Resync Failed')		
Clearing condition: ('Scheduled Resync Status' EQUAL 'Scheduled Resync Done')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 26-103 ServiceSiteDown

Alarm	Attributes	Applicable major NE releases
Name: ServiceSiteDown (97) Type: serviceAlarm (16) Package: service Raised on class: service.Site	Severity: critical Implicitly cleared: true Default probable cause: siteDown (83)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when all SAPs on a site are operationally down, or when the service tunnels for the site are operationally down.		
Raising condition: (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'All Spoke SDP Bindings are Standby'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'All Spoke SDP Bindings are Standby'))		
Remedial action: The network resources (i.e. physical ports for SAPs, or physical ports/LSP) associated with the service site should be examined to determine if/why they are operationally down. The underlying transport network supporting the site may also be unreliable.		

Table 26-104 SiteManagementVlanConflict

Alarm	Attributes	Applicable major NE releases
Name: SiteManagementVlanConflict (223) Type: configurationAlarm (11) Package: vlan Raised on class: vlan.Site	Severity: warning Implicitly cleared: true Default probable cause: topologyMisconfigured (81)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when the management VLAN ID is used for another type of service.		
Raising condition: ('managementVlanConflict' EQUAL 'true')		
Clearing condition: ('managementVlanConflict' EQUAL 'false')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: Ensure that the VLAN ID of this Management Service Site is not used on any other type of VLAN Service Site.		

(2 of 2)

Table 26-105 SiteVlanSubTypeConflict

Alarm	Attributes	Applicable major NE releases
Name: SiteVlanSubTypeConflict (224) Type: configurationAlarm (11) Package: vlan Raised on class: vlan.Site	Severity: major Implicitly cleared: true Default probable cause: topologyMisconfigured (81)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when more than one type of VLAN service has the same VLAN ID. The alarm is raised against a site.		
Raising condition: ('vlanSubTypeConflict' EQUAL 'true')		
Clearing condition: ('vlanSubTypeConflict' EQUAL 'false')		
Remedial action: Ensure that only one type of VLAN Service is configured with the VLAN ID used by this Site.		

Table 26-106 StatsRetrieveFailed

Alarm	Attributes	Applicable major NE releases
Name: StatsRetrieveFailed (244) Type: configurationAlarm (11) Package: sw Raised on class: sw.AccountingStatsRetrievalManager	Severity: major Implicitly cleared: false Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when the 5620 SAM main or auxiliary server cannot transfer an accounting file from an NE.		
Raising condition: (('Stats Retrieval State' NOT EQUAL 'Success') AND ('Stats Retrieval State' NOT EQUAL 'Not Attempted'))		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy or otherwise cannot respond to the 5620 SAM main or auxiliary server.		

Table 26-107 SubscriberSystemNextHopUsageHigh

Alarm	Attributes	Applicable major NE releases
Name: SubscriberSystemNextHopUsageHigh (5157) Type: thresholdCrossed (6) Package: netw Raised on class: netw.NetworkElement	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5

(1 of 2)

26 – Alcatel-Lucent OS6400 alarms

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit.		
Raising condition: ('IP Next Hop Usage High' EQUAL 'true')		
Clearing condition: ('IP Next Hop Usage High' EQUAL 'false')		
Remedial action: The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit. There is no immediate effect, but when the usage actually hits the limit, new hosts will not get their managed routes.		

(2 of 2)

Table 26-108 TemperatureThresholdCrossed

Alarm	Attributes	Applicable major NE releases
Name: TemperatureThresholdCrossed (7) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Environment	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when a temperature crosses a threshold.		
Raising condition: ('temperatureThresholdCrossed' EQUAL 'true')		
Clearing condition: ('temperatureThresholdCrossed' EQUAL 'false')		
Remedial action: The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 26-109 TlsSiteDown

Alarm	Attributes	Applicable major NE releases
Name: TlsSiteDown (163) Type: ProtocolAlarm (1) Package: layer2 Raised on class: layer2.TlsSite	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when MVR is disabled on an NE and a TLS VLAN or MVR VLAN service is provisioned on the NE.		
Raising condition: ('TLS Admin Status' EQUAL 'Disabled')		
Clearing condition: ('TLS Admin Status' EQUAL 'Enabled')		
Remedial action: To clear the alarm, enable TLS Admin Status under the Bridge Instance.		

Table 26-110 TmnxEqPortEtherLoopDetected

Alarm	Attributes	Applicable major NE releases
Name: TmnxEqPortEtherLoopDetected (461) Type: portEtherLoopDetected (48) Package: ethernetEquipment Raised on class: ethernetEquipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when a device detects a physical loop on an Ethernet port.		
Raising condition: (('Down When Looped Status' EQUAL 'Loop Detected'))		
Clearing condition: (('Down When Looped Status' EQUAL 'No Loop Detected'))		
Remedial action: An Ethernet port has been mis-cabled - please remove the loopback cable on the port.		

Table 26-111 TrapDestinationMisconfigured

Alarm	Attributes	Applicable major NE releases
Name: TrapDestinationMisconfigured (33) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: trapDestinationMisconfigured (26) Applicable probable causes: <ul style="list-style-type: none"> • trapDestinationMisconfigured • duplicateTrapLogId 	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when the 5620 SAM cannot be added to the NE's SNMP trap destinations.		
Raising condition: ('isTrapDestinationMisconfigured' EQUAL 'true')		
Clearing condition: ('isTrapDestinationMisconfigured' EQUAL 'false')		
Remedial action: A configuration error has been made which must be corrected. The SNMP trap destination on the NE must be configured to the IP address of the SAM server.		

Table 26-112 TrapReceivingFailure

Alarm	Attributes	Applicable major NE releases
Name: TrapReceivingFailure (1083) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: false Default probable cause: trapsWillNotBeSent (822)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: This user-defined alarm is raised when the NE is unable to send traps because the NE configuration is one of the following: - The Management IP Selection is set to Out Of Band Only, the Primary Route Preference is set to In Band, and the Secondary Route Preference is set to None. - The Management IP Selection is set to In Band Only, the Primary Route Preference is set to Out Of Band, and the Secondary Route Preference is set to None.		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Raising condition: (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
Clearing condition: (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND ('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND ('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band'))))		
Remedial action: A configuration error has been made which must be corrected. The configuration error must be corrected per the discussion in the description for this alarm.		

(2 of 2)

Table 26-113 TrapRoutePreferenceRedundancyMissing

Alarm	Attributes	Applicable major NE releases
Name: TrapRoutePreferenceRedundancyMissing (1084) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: trapsRedundancyMissing (823)	<ul style="list-style-type: none"> 6.4.3 6.4.4 6.4.5
Description: The user-defined alarm is raised when NE management redundancy is configured without trap route preference redundancy.		
Raising condition: (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
Clearing condition: (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Secondary Route Preference' NOT EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Secondary Route Preference' NOT EQUAL 'None'))))		
Remedial action: A configuration error has been made which must be corrected. The IP address of the standby SAM server must be configured on the NE in question.		

Table 26-114 UnidentifiedNode

Alarm	Attributes	Applicable major NE releases
Name: UnidentifiedNode (1922) Type: communicationsAlarm (4) Package: netw Raised on class: netw.DiscoveredNode	Severity: major Implicitly cleared: true Default probable cause: unidentifiedNode (922)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when the node being discovered can not be properly identified.		
Raising condition: ('State' EQUAL 'Pending Identification')		
Clearing condition: ('State' NOT EQUAL 'Pending Identification')		
Remedial action: A configuration error has occurred that must be corrected. The eNodeB does not have a system name. The name can be configured by selecting the alarm, opening the associated properties form for the alarmed object and configuring the system name.		

Table 26-115 UnmanageFailed

Alarm	Attributes	Applicable major NE releases
Name: UnmanageFailed (300) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.NodeDiscoveryControl	Severity: warning Implicitly cleared: true Default probable cause: unableToDeleteNode (231)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when an attempt to unmanage an NE fails.		
Raising condition: ('Site State' EQUAL 'unmanage failed')		
Clearing condition: ('Site State' NOT EQUAL 'unmanage failed')		
Remedial action: Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 26-116 unsupportedPortUsage

Alarm	Attributes	Applicable major NE releases
Name: unsupportedPortUsage (5184) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: warning Implicitly cleared: true Default probable cause: incompatiblePortUsage (2100)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised in case unsupported port type is configured		
Raising condition: (('portId' >= '1L') AND ('portId' <= '4L') AND ('specificCardType' EQUAL 'EASv2') AND (('Port Usage' EQUAL 'MPT-HC') OR ('Port Usage' EQUAL 'MPT-MC')))"		
Clearing condition: NOT (((('portId' >= '1L') AND ('portId' <= '4L') AND ('specificCardType' EQUAL 'EASv2') AND (('Port Usage' EQUAL 'MPT-HC') OR ('Port Usage' EQUAL 'MPT-MC')))))"		
Remedial action: This alarm indicates unsupported port usage. Port usage configured on the NE is not supported by SAM.		

Table 26-117 UpgradedBuildVersionMismatch

Alarm	Attributes	Applicable major NE releases
Name: UpgradedBuildVersionMismatch (174) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: upgradedImageNotBooted (137)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when the software version that an NE reports after a software upgrade does not match the version of the software used for the upgrade.		
Raising condition: ('upgradedBuildVersionMismatch' EQUAL 'true')		
Clearing condition: ('upgradedBuildVersionMismatch' EQUAL 'false')		
Remedial action: Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 26-118 upgradedCardAlarm

Alarm	Attributes	Applicable major NE releases
Name: upgradedCardAlarm (255) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: upgradedCard (194)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when the standby CPM is rebooted and operational after a software upgrade. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
Raising condition: ('operationalState' EQUAL 'Upgrade')		
Clearing condition: ('operationalState' EQUAL 'Up')		
Remedial action: Informational - no corrective action required.		

Table 26-119 VersionConfigRestoreFailed

Alarm	Attributes	Applicable major NE releases
Name: VersionConfigRestoreFailed (536) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: versionMismatch (405)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when the restore procedure on an NE fails because of a mismatch between the backup file set version and the NE software version.		
Raising condition: ('lastNmsVersionRestoreState' EQUAL 'Failure')		
Clearing condition: ('lastNmsVersionRestoreState' EQUAL 'Success')		
Remedial action: The backup files being restored do not match with the version of node software release. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

Table 26-120 WrongCpaaSoftwareVersion

Alarm	Attributes	Applicable major NE releases
Name: WrongCpaaSoftwareVersion (791) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: wrongCpaaSoftwareVersion (559)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5
Description: The alarm is raised when the 7701 CPAA software is the wrong version and requires an upgrade.		
Raising condition: (('Software Version' EQUAL '\TiMOS-B-3.0.Generic \') AND ('Chassis Type' EQUAL '7701 CPAA'))		
Clearing condition: (('Software Version' NOT EQUAL '\TiMOS-B-3.0.Generic \') AND ('Chassis Type' EQUAL '7701 CPAA'))		
Remedial action: The SW version of the CPAA must be upgraded to the version compatible with CPAM version.		

27 — Alcatel-Lucent OS6450 alarms



Note — Some alarms that the 5620 SAM can raise against this device may not be listed in this chapter. Associating alarms with specific NE types is an ongoing Alcatel-Lucent effort. If the 5620 SAM raises an alarm against this device type, and the alarm is not described in this chapter, see chapter 35 for information about the alarm.

Table 27-1 AccessInterfaceDown

Alarm	Attributes	Applicable major NE releases
Name: AccessInterfaceDown (249) Type: AccessInterfaceAlarm (32) Package: service Raised on class: service.AccessInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> 6.6.3 6.6.4
Description: The alarm is raised when an L2 or L3 interface operational state is Down. The alarm is not raised against an L2 access interface that is associated with an MC ring or MC LAG in the standby state.		
Raising condition: (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'Standby For MC-Ring') AND ('State Cause' NOT EQUAL 'Standby For MC-Lag') AND ('State Cause' NOT EQUAL 'Standby For BGP Multi-homing'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'Standby For MC-Ring') OR ('State Cause' EQUAL 'Standby For MC-Lag') OR ('State Cause' EQUAL 'Standby For BGP Multi-homing'))		
Remedial action: The condition exists because the physical interface is down either because it is administratively disabled, faulty or a cabling fault has occurred. Ensure that the interface is administratively up. Check for a poor cable connection to the port or for a faulty cable/fiber. If neither appears to be the problem run diagnostics on the port to determine if it is faulty.		

Table 27-2 ActiveAbnormalCondition

Alarm	Attributes	Applicable major NE releases
Name: ActiveAbnormalCondition (3938) Type: activeAbnormalConditionAlarm (116) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ActiveAbnormalConditionState (1520)	<ul style="list-style-type: none"> • 6.6.3 • 6.6.4
Description: The alarm is an indication for abnormal condition on NE.		
Raising condition: ('abnormalCondition' EQUAL 'true')		
Clearing condition: ('abnormalCondition' EQUAL 'false')		
Remedial action: This alarm is raised when there is a abnormal state indication on NE.		

Table 27-3 AGWDiameterPeerDown

Alarm	Attributes	Applicable major NE releases
Name: AGWDiameterPeerDown (844) Type: EpcAlarm (59) Package: lte Raised on class: lte.AGWDiameterPeer	Severity: variable Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> • 6.6.3 • 6.6.4
Description: The alarm is raised when the path management state of a Diameter peer changes to a state other than Up.		
Raising condition: ('Path Diameter Management State' NOT EQUAL 'Active')		
Clearing condition: ('Path Diameter Management State' EQUAL 'Active')		
Remedial action: A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

Table 27-4 AuxiliaryServerStatus

Alarm	Attributes	Applicable major NE releases
Name: AuxiliaryServerStatus (311) Type: communicationsAlarm (4) Package: server Raised on class: server.AuxiliaryServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> • 6.6.3 • 6.6.4
Description: The alarm is raised when a 5620 SAM main server cannot communicate with an auxiliary server. The alarm clears when communication is restored.		
Raising condition: ('Server Status' EQUAL 'Down')		
Clearing condition: ('Server Status' EQUAL 'Up')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the AUX and SAM servers is unreliable.		

Table 27-5 BootableConfigBackupFailed

Alarm	Attributes	Applicable major NE releases
Name: BootableConfigBackupFailed (103) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> 6.6.3 6.6.4
Description: The alarm is raised when the 5620 SAM fails to back up a set of NE configuration files.		
Raising condition: ('Backup State' EQUAL 'Failure')		
Clearing condition: ('Backup State' EQUAL 'Success')		
Remedial action: Investigation is required to resolve the following possible scenarios: insufficient disk space is available to accommodate the NE configuration files (additional SAM platform alarms will accompany this alarm); the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

Table 27-6 BootableConfigRestoreFailed

Alarm	Attributes	Applicable major NE releases
Name: BootableConfigRestoreFailed (104) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> 6.6.3 6.6.4
Description: The alarm is raised when the 5620 SAM fails to restore a set of NE configuration files.		
Raising condition: ('Restore State' EQUAL 'Failure')		
Clearing condition: ('Restore State' EQUAL 'Success')		
Remedial action: Investigation is required to resolve the following possible scenarios: the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

Table 27-7 BootParametersMisconfigured

Alarm	Attributes	Applicable major NE releases
Name: BootParametersMisconfigured (35) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: persistentIndexFailure (30) Applicable probable causes: <ul style="list-style-type: none"> persistentIndexFailure configFileBootFailure 	<ul style="list-style-type: none"> 6.6.3 6.6.4
Description: The alarm is raised when the SNMP Index Boot Status on an NE is not set to Persistent.		
Raising condition: (('isGenericNode' EQUAL 'false') AND ('State' NOT EQUAL 'Pre-provisioned') AND (('Config File Status' NOT EQUAL 'Executed Successfully') OR ('Persistent Index Status' NOT EQUAL 'Rebuild Succeeded')))		

(1 of 2)

27 – Alcatel-Lucent OS6450 alarms

Alarm	Attributes	Applicable major NE releases
Clearing condition: (('Config File Status' EQUAL 'Executed Successfully') AND ('Persistent Index Status' EQUAL 'Rebuild Succeeded'))		
Remedial action: Ensure that "SNMP Index Boot Status" is persistent (using cli command "show system information" on the NE). If not, unmanage the network element from SAM, ensure that "persist on" is set in the bof file, save the bof, save a config file, verify that an index file (.ndx) is saved as well, reboot the router, verify that SNMP Index Boot Status is persistent and finally remanage the router from SAM.		

(2 of 2)

Table 27-8 ClientDelegateServerStatus

Alarm	Attributes	Applicable major NE releases
Name: ClientDelegateServerStatus (731) Type: communicationsAlarm (4) Package: server Raised on class: server.ClientDelegateServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> 6.6.3 6.6.4
Description: The alarm is raised when a client delegate server is unreachable.		
Raising condition: ('Server Status' EQUAL 'Down')		
Clearing condition: ('Server Status' EQUAL 'Up')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the client delegate platform and SAM servers is unreliable or the client delegate server itself is unreliable.		

Table 27-9 ContainingEquipmentAdministrativelyDown

Alarm	Attributes	Applicable major NE releases
Name: ContainingEquipmentAdministrativelyDown (466) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: minor Implicitly cleared: true Default probable cause: containingEquipmentAdministrativelyDown (330)	<ul style="list-style-type: none"> 6.6.3 6.6.4
Description: The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentAdministrativelyDown.		
Raising condition: (('Status' EQUAL 'Parent Admin Down') AND ('isTerminatable' EQUAL 'true'))		
Clearing condition: (('Status' NOT EQUAL 'Parent Admin Down') OR ('isTerminatable' NOT EQUAL 'true'))		
Remedial action: Informational - no corrective action required.		

Table 27-10 ContainingEquipmentMismatch

Alarm	Attributes	Applicable major NE releases
Name: ContainingEquipmentMismatch (464) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentMismatch (328)	<ul style="list-style-type: none"> • 6.6.3 • 6.6.4
Description: The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentMismatch.		
Raising condition: (('Status' EQUAL 'Parent Type Mismatch') AND ('isTerminatable' EQUAL 'true'))		
Clearing condition: (('Status' NOT EQUAL 'Parent Type Mismatch') OR ('isTerminatable' NOT EQUAL 'true'))		
Remedial action: A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

Table 27-11 ContainingEquipmentOperationallyDown

Alarm	Attributes	Applicable major NE releases
Name: ContainingEquipmentOperationallyDown (465) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentDown (329)	<ul style="list-style-type: none"> • 6.6.3 • 6.6.4
Description: The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentOperationallyDown.		
Raising condition: (('Status' EQUAL 'Parent Oper Down') AND ('isTerminatable' EQUAL 'true'))		
Clearing condition: (('Status' NOT EQUAL 'Parent Oper Down') OR ('isTerminatable' NOT EQUAL 'true'))		
Remedial action: The operational state of the equipment element indicated in the alarm is down. This may be due to the element's administrative state or it may indicate that the element has failed.		

Table 27-12 CorruptImageFile

Alarm	Attributes	Applicable major NE releases
Name: CorruptImageFile (171) Type: configurationAlarm (11) Package: mediation Raised on class: mediation.AbstractSoftwareFolderDescriptor	Severity: critical Implicitly cleared: true Default probable cause: invalidOrCorruptImageFile (134)	<ul style="list-style-type: none"> • 6.6.3 • 6.6.4
Description: The alarm is raised when one or more files in the 5620 SAM software image specified for a device software upgrade is invalid, corrupt or absent. The 5620 SAM validates a device software file set before it imports the file set and distributes it to an NE. Ensure that the file set downloads properly to the NE and is not tampered with before you re-attempt the upgrade. The alarm clears when a valid file set is on the NE and the 5620 SAM activates the software image in the file set.		
Raising condition: ('isImageValid' EQUAL 'false')		

(1 of 2)

27 – Alcatel-Lucent OS6450 alarms

Alarm	Attributes	Applicable major NE releases
Clearing condition: ('isImageValid' EQUAL 'true')		
Remedial action: The existing SW image in the SAM database should be replaced with an image that is known to be complete and valid.		

(2 of 2)

Table 27-13 downgradedCardAlarm

Alarm	Attributes	Applicable major NE releases
Name: downgradedCardAlarm (256) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: downgradedCard (195)	<ul style="list-style-type: none"> 6.6.3 6.6.4
Description: The alarm is raised when an IOM is not upgraded or reset after a device software upgrade of both CPMs. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
Raising condition: ('operationalState' EQUAL 'Downgrade')		
Clearing condition: ('operationalState' EQUAL 'Up')		
Remedial action: Informational - no corrective action required.		

Table 27-14 EfmOamAlarm

Alarm	Attributes	Applicable major NE releases
Name: EfmOamAlarm (4617) Type: equipmentAlarm (3) Package: ethernetEquipment Raised on class: ethernetEquipment.Dot3Oam	Severity: minor Implicitly cleared: true Default probable cause: EFMOAMOperationalStateOutOfService (1886)	<ul style="list-style-type: none"> 6.6.3 6.6.4
Description: The alarm is raised when EFM Ignore status is Enabled, and Physical port Administrative State is Down.		
Raising condition: ('Ignore EFM State' EQUAL 'true')		
Clearing condition: ('Ignore EFM State' EQUAL 'true')		
Remedial action: The alarm is raised when EFM Ignore status is Enabled, and Physical port Administrative State is Down.		

Table 27-15 EquipmentAdministrativelyDown

Alarm	Attributes	Applicable major NE releases
Name: EquipmentAdministrativelyDown (455) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: minor Implicitly cleared: true Default probable cause: equipmentAdministrativelyDown (326)	<ul style="list-style-type: none"> 6.6.3 6.6.4
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentAdministrativelyDown.		
Raising condition: ('compositeEquipmentState' EQUAL 'Admin Down')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Admin Down')		
Remedial action: Informational - no corrective action required.		

Table 27-16 EquipmentDegraded

Alarm	Attributes	Applicable major NE releases
Name: EquipmentDegraded (604) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: minor Implicitly cleared: true Default probable cause: singleFanFailure (450)	<ul style="list-style-type: none"> 6.6.3 6.6.4
Description: The alarm is raised when a single fan fails. The chassis attempts to continue operating within the normal temperature range using only the remaining fans.		
Raising condition: ('Device State' EQUAL 'MinorFailure')		
Clearing condition: ('Device State' NOT EQUAL 'MinorFailure')		
Remedial action: The failed fan unit should be replaced.		

Table 27-17 EquipmentDown

Alarm	Attributes	Applicable major NE releases
Name: EquipmentDown (10) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: inoperableEquipment (8)	<ul style="list-style-type: none"> 6.6.3 6.6.4
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentOperationallyDown.		
Raising condition: ('compositeEquipmentState' EQUAL 'Oper Down')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Oper Down')		
Remedial action: This alarm indicates that a card in the NE has failed. The card must be replaced.		

Table 27-18 EquipmentFailure

Alarm	Attributes	Applicable major NE releases
Name: EquipmentFailure (145) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.ReplaceableUnit	Severity: critical Implicitly cleared: true Default probable cause: cardFailure (123)	<ul style="list-style-type: none"> 6.6.3 6.6.4
Description: The alarm is raised when a control processor or power-supply tray reports a failure. When the object type is ControlProcessor, a CPM may be unable to boot. When the object type is Power Supply Tray and the alarm is raised during device discovery, a power-supply tray may be out of service. When the object type is a Power Supply Tray and the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
Raising condition: ('operationalState' EQUAL 'Failed')		
Clearing condition: ('operationalState' NOT EQUAL 'Failed')		
Remedial action: If the alarm indicates that the CPM card has a fault, remove the card and reset it. If this does not clear the alarm then please contact Alcatel-Lucent support for assistance. If the alarm indicates that the Power Supply tray is out of service ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 27-19 EquipmentInTest

Alarm	Attributes	Applicable major NE releases
Name: EquipmentInTest (11) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: warning Implicitly cleared: true Default probable cause: equipmentInTest (9)	<ul style="list-style-type: none"> 6.6.3 6.6.4
Description: The alarm is raised when equipment enters a diagnostic state.		
Raising condition: ('compositeEquipmentState' EQUAL 'In Test')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'In Test')		
Remedial action: Informational - no corrective action required.		

Table 27-20 EquipmentMismatch

Alarm	Attributes	Applicable major NE releases
Name: EquipmentMismatch (9) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: equipmentTypeMismatch (7)	<ul style="list-style-type: none"> 6.6.3 6.6.4
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMismatch.		
Raising condition: ('compositeEquipmentState' EQUAL 'Type Mismatch')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Type Mismatch')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

(2 of 2)

Table 27-21 EquipmentRemoved

Alarm	Attributes	Applicable major NE releases
Name: EquipmentRemoved (8) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: replaceableEquipmentRemoved (6)	<ul style="list-style-type: none"> 6.6.3 6.6.4
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMissing.		
Raising condition: (('compositeEquipmentState' EQUAL 'Removed') AND ('isEquipmentInserted' EQUAL 'true'))		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Removed')		
Remedial action: Informational - this alarm is raised when a card is removed.		

Table 27-22 EthernetPortConfiguredLoopback

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortConfiguredLoopback (801) Type: configurationAlarm (11) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: warning Implicitly cleared: true Default probable cause: ethernetPortConfiguredLoopback (567)	<ul style="list-style-type: none"> 6.6.3 6.6.4
Description: The alarm is raised when a timed loopback is in effect for an Ethernet port.		
Raising condition: (('Type' NOT EQUAL 'None'))		
Clearing condition: (('Type' EQUAL 'None'))		
Remedial action: This alarm has been raised by the node because "Timed Loopback" option of the specific port's Ethernet property has been enabled. To resolve this problem from "Ethernet" tab of "Physical Port" properties form configure "Timed Loopback" Type property as "None".		

Table 27-23 EthernetPortDuplicateLane

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortDuplicateLane (3557) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: DuplicateLane (1387)	<ul style="list-style-type: none"> • 6.6.3 • 6.6.4
Description: The alarm is raised when a device reports a Duplicate Lane on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 27-24 EthernetPortHighBer

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortHighBer (307) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> • 6.6.3 • 6.6.4
Description: The alarm is raised when a device reports a high bit-error rate on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))))		
Remedial action: One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 27-25 EthernetPortLocalFault

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortLocalFault (305) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: LocalFault (236)	<ul style="list-style-type: none"> • 6.6.3 • 6.6.4
Description: The alarm is raised when a device reports a local fault on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))))		
Remedial action: One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

(2 of 2)

Table 27-26 EthernetPortNoAmLock

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortNoAmLock (3558) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoAmLock (1388)	<ul style="list-style-type: none"> 6.6.3 6.6.4
Description: The alarm is raised when a device reports a No Am Lock on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 27-27 EthernetPortNoBlockLock

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortNoBlockLock (3559) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoBlockLock (1389)	<ul style="list-style-type: none"> 6.6.3 6.6.4
Description: The alarm is raised when a device reports a No Block Lock on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock'))))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 27-28 EthernetPortNoFrameLock

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortNoFrameLock (306) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoFrameLock (237)	<ul style="list-style-type: none"> 6.6.3 6.6.4
Description: The alarm is raised when a device reports No Frame Lock on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock'))		
Remedial action: One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 27-29 EthernetPortRemoteFault

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortRemoteFault (304) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: RemoteFault (235)	<ul style="list-style-type: none"> 6.6.3 6.6.4
Description: The alarm is raised when a device reports a remote fault on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault'))		
Remedial action: One of the following conditions exists on the remote physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 27-30 EthernetPortSignalFailure

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortSignalFailure (303) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: SignalFailure (234)	<ul style="list-style-type: none"> 6.6.3 6.6.4
Description: The alarm is raised when a device reports a signal failure on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))))		
Remedial action: One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

(2 of 2)

Table 27-31 FanFailure

Alarm	Attributes	Applicable major NE releases
Name: FanFailure (624) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: fanFailure (116)	<ul style="list-style-type: none"> 6.6.3 6.6.4
Description: The alarm is raised when the associated fan is not operationally Up.		
Raising condition: (('Device State' EQUAL 'Failed') OR ('Device State' EQUAL 'Unknown') OR ('Device State' EQUAL 'OutOfService'))		
Clearing condition: ('Device State' EQUAL 'OK')		
Remedial action: Remove and reset the fan unit. If this does not resolve the problem replace the fan.		

Table 27-32 FanTrayRemoved

Alarm	Attributes	Applicable major NE releases
Name: FanTrayRemoved (569) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: FanTrayRemoved (438)	<ul style="list-style-type: none"> 6.6.3 6.6.4
Description: The alarm is raised when the deviceState attribute has a value of deviceNotEquipped.		
Raising condition: ('Device State' EQUAL 'Not Equipped')		
Clearing condition: ('Device State' NOT EQUAL 'Not Equipped')		
Remedial action: Informational - a fan tray has been removed from the NE.		

Table 27-33 FrameSizeProblem (netw)

Alarm	Attributes	Applicable major NE releases
Name: FrameSizeProblem (37) Type: configurationAlarm (11) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: frameSizeProblem (33)	<ul style="list-style-type: none"> 6.6.3 6.6.4
Description: The alarm is raised when a provisioned MTU size value is greater than the supported MTU size value.		
Raising condition: (('mtuMismatch' EQUAL 'true') AND ('portId' NOT EQUAL '0L'))		
Clearing condition: (('mtuMismatch' EQUAL 'false') OR ('portId' EQUAL '0L'))		
Remedial action: A configuration error has been made which must be corrected. The MTU value must be changed such that is less than or equal to the supported MTU size value.		

Table 27-34 GaPeerDown

Alarm	Attributes	Applicable major NE releases
Name: GaPeerDown (3303) Type: EpcAlarm (59) Package: Iteggns Raised on class: Iteggns.GaPeer	Severity: major Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> 6.6.3 6.6.4
Description: The alarm is raised when the path management state of a Ga peer changes to a state other than Up.		
Raising condition: ('Path Management State' NOT EQUAL 'Active')		
Clearing condition: ('Path Management State' EQUAL 'Active')		
Remedial action: A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

Table 27-35 IfVlanSubTypeConflict

Alarm	Attributes	Applicable major NE releases
Name: IfVlanSubTypeConflict (213) Type: configurationAlarm (11) Package: vlan Raised on class: vlan.L2AccessInterface	Severity: major Implicitly cleared: true Default probable cause: topologyMisconfigured (81)	<ul style="list-style-type: none"> 6.6.3 6.6.4
Description: The alarm is raised when more than one type of VLAN service is configured with the same VLAN ID. The alarm is raised against an L2 access interface.		
Raising condition: ('vlanSubTypeConflict' EQUAL 'true')		
Clearing condition: ('vlanSubTypeConflict' EQUAL 'false')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: Ensure that only one type of VLAN Service is configured with the VLAN ID used by this Interface.		

(2 of 2)

Table 27-36 IgmpDown

Alarm	Attributes	Applicable major NE releases
Name: IgmpDown (158) Type: ProtocolAlarm (1) Package: igmp Raised on class: igmp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> 6.6.3 6.6.4
Description: The alarm is raised when an IGMP site has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: While configured under VPRN, check if VPRN site is admin down, or if route distinguisher is not configured.		

Table 27-37 IgmpSnoopingDown

Alarm	Attributes	Applicable major NE releases
Name: IgmpSnoopingDown (161) Type: ProtocolAlarm (1) Package: layer2 Raised on class: layer2.Bridge	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> 6.6.3 6.6.4
Description: The alarm is raised when IGMP snooping is disabled on an NE and a TLS VLAN or MVR VLAN service is provisioned on the NE.		
Raising condition: ('IGMP Snooping' EQUAL 'Disabled')		
Clearing condition: ('IGMP Snooping' EQUAL 'Enabled')		
Remedial action: To clear the alarm, enable IGMP Snooping under the Bridge Instance.		

Table 27-38 IncompleteConfiguration

Alarm	Attributes	Applicable major NE releases
Name: IncompleteConfiguration (1942) Type: operationalViolation (93) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: incompleteConfig (225)	<ul style="list-style-type: none"> 6.6.3 6.6.4
Description: The alarm is raised when a pre-provisioned NE has no objects configured beneath it.		

(1 of 2)

27 – Alcatel-Lucent OS6450 alarms

Alarm	Attributes	Applicable major NE releases
Raising condition: (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' EQUAL '\'))		
Clearing condition: (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' NOT EQUAL '\'))		
Remedial action: A configuration error has been made which must be corrected. The configuration of the pre-provisioned NE is incomplete. A work order was not associated with the pre-provisioned NE and as a consequence the attempt to auto-configure the NE failed.		

(2 of 2)

Table 27-39 InterfaceDown (netw)

Alarm	Attributes	Applicable major NE releases
Name: InterfaceDown (36) Type: InterfaceAlarm (13) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> 6.6.3 6.6.4
Description: The alarm is raised when an interface or underlying resource fails, as indicated by an interface compositeState attribute value of failed or underlyingResourceFailed.		
Raising condition: (('compositeState' EQUAL 'Inoperable') OR ('compositeState' EQUAL 'Underlying Resource Inoperable'))		
Clearing condition: (('compositeState' NOT EQUAL 'Inoperable') AND ('compositeState' NOT EQUAL 'Underlying Resource Inoperable'))		
Remedial action: A physical port (physical interface, LAG, channel) associated with the network interface in not operation. Ensure that the interface is cabled and that there isn't a configuration error (i.e. MTU size set incorrectly) on the interface. Once the issue w		

Table 27-40 LagDown

Alarm	Attributes	Applicable major NE releases
Name: LagDown (20) Type: equipmentAlarm (3) Package: lag Raised on class: lag.Interface	Severity: critical Implicitly cleared: true Default probable cause: lagDown (17)	<ul style="list-style-type: none"> 6.6.3 6.6.4
Description: The alarm is raised when all ports in a LAG are operationally down.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
Clearing condition: (('operationalState' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: This alarm indicates that all physical Ethernet links associated with a LAG are operationally down. The reasons for the links to be down may vary from link to link. The following possible causes of this alarm should be investigated. The physical port (near end or far end may have failed - this can be remedied by replacing the interface card in question. The physical links may have been turned down administratively - re-enable the links. A cable failure or disconnect may have occurred - please ensure that the cables are properly connected to the physical port and and that the cable has not been damaged.		

Table 27-41 LagPortAddFailed

Alarm	Attributes	Applicable major NE releases
Name: LagPortAddFailed (422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: warning Implicitly cleared: true Default probable cause: linkDown (315)	<ul style="list-style-type: none"> • 6.6.3 • 6.6.4
Description: The alarm is raised when the Lag Port Add function Fails.		
Raising condition: (('state' EQUAL 'Link Down') AND ('LAG ID' > '0'))		
Clearing condition: (('state' NOT EQUAL 'Link Down') OR ('LAG ID' EQUAL '0'))		
Remedial action: A configuration error has occurred which must be corrected. The link that was to be added to the LAG group may be of the wrong type (i.e. non ethernet) or the limit of the number of links supported in a LAG may have been reached.		

Table 27-42 LicensedLimitExceeded

Alarm	Attributes	Applicable major NE releases
Name: LicensedLimitExceeded (127) Type: licensingAlarm (23) Package: security Raised on class: security.ProductLicense	Severity: critical Implicitly cleared: true Default probable cause: licensedLimitExceeded (106)	<ul style="list-style-type: none"> • 6.6.3 • 6.6.4
Description: The alarm is raised when the license items in the network exceeds 100 percent of the license capacity.		
Raising condition: ('Exceeded' EQUAL 'true')		
Clearing condition: ('Exceeded' NOT EQUAL 'true')		
Remedial action: Informational - The number of SAM licenses purchased and available on the SAM server is insufficient as compared to the number of NEs/MDA/Cells under management in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

Table 27-43 LinkDown

Alarm	Attributes	Applicable major NE releases
Name: LinkDown (12) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: portLinkProblem (10)	<ul style="list-style-type: none"> • 6.6.3 • 6.6.4
Description: The alarm is raised when a port has no associated physical link or remote end point is operationally down.		
Raising condition: (('compositeEquipmentState' EQUAL 'Link Down') OR ('compositeEquipmentState' EQUAL 'Oper Down'))		
Clearing condition: (('compositeEquipmentState' NOT EQUAL 'Link Down') AND ('compositeEquipmentState' NOT EQUAL 'Oper Down'))		
Remedial action: Please make sure that port has physical link and remote end point is operationally up.		

Table 27-44 LowTemperatureDetected

Alarm	Attributes	Applicable major NE releases
Name: LowTemperatureDetected (1127) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOvercooled (838)	<ul style="list-style-type: none"> • 6.6.3 • 6.6.4
Description: The alarm is raised when the chassis temperature falls below the minimum threshold.		
Raising condition: ('Low Temperature State' EQUAL 'Low')		
Clearing condition: ('Low Temperature State' NOT EQUAL 'Low')		
Remedial action: The NE has detected internal temperatures which are abnormally low. This may happen when the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 27-45 LowTemperatureThresholdCrossed

Alarm	Attributes	Applicable major NE releases
Name: LowTemperatureThresholdCrossed (1128) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Environment	Severity: major Implicitly cleared: true Default probable cause: equipmentOvercooled (838)	<ul style="list-style-type: none"> • 6.6.3 • 6.6.4
Description: The alarm is raised when a low-temperature threshold is crossed.		
Raising condition: ('lowTemperatureThresholdCrossed' EQUAL 'true')		
Clearing condition: ('lowTemperatureThresholdCrossed' EQUAL 'false')		
Remedial action: The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 27-46 LpsViolation

Alarm	Attributes	Applicable major NE releases
Name: LpsViolation (518) Type: learnedPortSecurityAlarm (51) Package: lps Raised on class: lps.LearnedPortSecurity	Severity: major Implicitly cleared: true Default probable cause: learnedPortSecurityViolation (393)	<ul style="list-style-type: none"> • 6.6.3 • 6.6.4
Description: The alarm is raised when the 5620 SAM detects an LPS violation.		
Raising condition: ('Operational State' EQUAL 'Security Violated')		
Clearing condition: ('Operational State' EQUAL 'Down')		
Remedial action: Port reset is required to return the port to normal operation.		

Table 27-47 macMoveRateExceeded (service)

Alarm	Attributes	Applicable major NE releases
Name: macMoveRateExceeded (3690) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: minor Implicitly cleared: true Default probable cause: MacMoveRateExceeded (1429)	<ul style="list-style-type: none"> 6.6.3 6.6.4
Description: The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site.		
Raising condition: ('State Cause'anyBit'Relearn Limit Exceeded')		
Clearing condition: NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		
Remedial action: Informational.		

Table 27-48 macMoveRateExceededNonBlock (service)

Alarm	Attributes	Applicable major NE releases
Name: macMoveRateExceededNonBlock (4893) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: info Implicitly cleared: true Default probable cause: MacMoveRateExceededNonBlock (1951)	<ul style="list-style-type: none"> 6.6.3 6.6.4
Description: The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site when limitMacMove(sapTIsLimitMacMove) is set to 'nonBlocking'.		
Raising condition: ('State Cause'anyBit'Relearn Limit Exceeded')		
Clearing condition: NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		
Remedial action: Informational - User can adjust the value of 'MAC Move Maximum Rate' to reduce the frequency of this alarm.		

Table 27-49 MepAISReceivedAlarm

Alarm	Attributes	Applicable major NE releases
Name: MepAISReceivedAlarm (2945) Type: oamAlarm (18) Package: ethernetOAM Raised on class: ethernetOAM.Mep	Severity: variable Implicitly cleared: true Default probable cause: missingRemoteMep (388)	<ul style="list-style-type: none"> 6.6.3 6.6.4
Description: The alarm is raised when a MEP Receives AIS test frames from one or more of its sub-layer MEPs.		
Raising condition: (('AIS Received (AisRx)' EQUAL 'true') AND ('Facility VLAN ID' EQUAL '0'))		
Clearing condition: ('AIS Received (AisRx)' EQUAL 'false')		
Remedial action: This alarm indicates that it has received a MEP fault from a sub-layer MEP, user should investigate the fault cause on the sub-layer MEP and resolve this root cause issue.		

Table 27-50 MobileConnectorDown

Alarm	Attributes	Applicable major NE releases
Name: MobileConnectorDown (1064) Type: EpcAlarm (59) Package: Iteservice Raised on class: Iteservice.MobileServiceConnector	Severity: minor Implicitly cleared: true Default probable cause: EpcDown (519)	<ul style="list-style-type: none"> 6.6.3 6.6.4
Description: The alarm is raised when the 5620 SAM no longer manages the EPS path instance of this mobile service site. As a result, the service must be regenerated.		
Raising condition: ('EPS Path' EQUAL '\')		
Clearing condition: ('EPS Path' NOT EQUAL '\')		
Remedial action: The underlying transport network has gone down resulting in the deletion of a mobile service connector (EPS path). Correct the issue with the transport network and regenerate the mobile service connector by clicking on the re-calculate button on the mobile service properties form.		

Table 27-51 MvrSiteDown

Alarm	Attributes	Applicable major NE releases
Name: MvrSiteDown (162) Type: ProtocolAlarm (1) Package: layer2 Raised on class: layer2.MvrSite	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> 6.6.3 6.6.4
Description: The alarm is raised when MVR is disabled on an NE and a TLS VLAN or MVR VLAN service is provisioned on the NE.		
Raising condition: ('MVR Admin Status' EQUAL 'Disabled')		
Clearing condition: ('MVR Admin Status' EQUAL 'Enabled')		
Remedial action: To clear the alarm, enable MVR Admin Status under the Bridge Instance.		

Table 27-52 NeManagementAndTrapManagementMismatch

Alarm	Attributes	Applicable major NE releases
Name: NeManagementAndTrapManagementMismatch (1079) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: neManagementChange (817)	<ul style="list-style-type: none"> 6.6.3 6.6.4
Description: This user-defined alarm is raised when the NE configuration is one of the following: - The Active Management IP is set to Out Of Band, and the Primary Route Preference is set to In Band. - The Active Management IP is set to In Band, and the Primary Route Preference is set to Out of Band.		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Raising condition: (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only')) AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only')) AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'Out Of Band'))))		
Clearing condition: (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only')) AND ('Primary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only')) AND ('Primary Route Preference' EQUAL 'Out Of Band'))))		
Remedial action: A configuration error has been made which must be corrected. The parameters described in the description for this alarm must match.		

(2 of 2)

Table 27-53 NewSsh2ServerKeyDetected

Alarm	Attributes	Applicable major NE releases
Name: NewSsh2ServerKeyDetected (285) Type: communicationsAlarm (4) Package: security Raised on class: security.KnownHostKey	Severity: warning Implicitly cleared: true Default probable cause: ssh2ServerKeyMismatch (217)	<ul style="list-style-type: none"> 6.6.3 6.6.4
Description: The alarm is raised when a 5620 SAM main server detects a new public SSH key.		
Raising condition: ('SSH2 Server Key Status' EQUAL 'Mismatch SSH2 Host Key')		
Clearing condition: ('SSH2 Server Key Status' EQUAL 'Active SSH2 Host Key')		
Remedial action: Informational - possible security breach. The SSH key of the router is different from the one known to the SAM server.		

Table 27-54 NodeDatabaseFallbackDetected

Alarm	Attributes	Applicable major NE releases
Name: NodeDatabaseFallbackDetected (2923) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseFallback (1121)	<ul style="list-style-type: none"> 6.6.3 6.6.4
Description: The alarm is raised when a configuration fallback is detected on the node and comes back up with a previous configuration. To correct this situation it might be necessary to reconfigure the node, or perform full resync its database with the 'fallback' configuration returned by the node.		
Raising condition: ('State' EQUAL 'Node Configuration Fallback')		
Clearing condition: ('State' EQUAL 'Managed')		
Remedial action: the NE has come back to a previous configuration. Perform a manual Full Resync or a Reconfigure of the NE		

Table 27-55 NodeDatabaseMisalignmentDetected

Alarm	Attributes	Applicable major NE releases
Name: NodeDatabaseMisalignmentDetected (2924) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseMisalignment (1122)	<ul style="list-style-type: none"> • 6.6.3 • 6.6.4
Description: The alarm is raised when a configuration misalignment has been detected on the node and comes back up with an unexpected configuration (configuration change triggered by external tool) To correct this situation it might be necessary to reconfigure the node with the 5620 SAM's old configuration or accept the new configuration received from the node.		
Raising condition: ('State' EQUAL 'Node Configuration Misalignment')		
Clearing condition: ('State' EQUAL 'Managed')		
Remedial action: the NE configuration is misaligned. Perform a resync in order to update SAM configuration according to the NE.		

Table 27-56 NodeSuspended

Alarm	Attributes	Applicable major NE releases
Name: NodeSuspended (5123) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: NodeSuspend (2057)	<ul style="list-style-type: none"> • 6.6.3 • 6.6.4
Description: The alarm is raised when the 5620 SAM detects an NE moved to suspend state as per user request.		
Raising condition: ('SNMP Reachability' EQUAL 'Suspended')		
Clearing condition: ('SNMP Reachability' NOT EQUAL 'Suspended')		
Remedial action: This alarm is raised when user suspends the network element. The alarm will be cleared when the network element is managed back.		

Table 27-57 OrphanNodeDetected

Alarm	Attributes	Applicable major NE releases
Name: OrphanNodeDetected (4866) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.AdvertisedNode	Severity: major Implicitly cleared: true Default probable cause: nodeNotMangedByAnyEms (1934)	<ul style="list-style-type: none"> • 6.6.3 • 6.6.4
Description: The alarm is raised when node is node managed by any EMS after n retries(threshold crossed) it is manually cleared by the operator or when the node is discovered.		
Raising condition: ('state' EQUAL 'orphan')		
Remedial action: The NE is not managed by any SAM. Add an discory rule in order to managed it.		

Table 27-58 OverTemperatureDetected

Alarm	Attributes	Applicable major NE releases
Name: OverTemperatureDetected (388) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> 6.6.3 6.6.4
Description: The alarm is raised when the chassis temperature exceeds the maximum threshold value.		
Raising condition: ('Over Temperature State' EQUAL 'Over')		
Clearing condition: ('Over Temperature State' NOT EQUAL 'Over')		
Remedial action: The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 27-59 PartialResyncProblem

Alarm	Attributes	Applicable major NE releases
Name: PartialResyncProblem (4401) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: partialResyncProblem (1578)	<ul style="list-style-type: none"> 6.6.3 6.6.4
Description: The alarm is raised when an Partial Resync on an NE fails. For example, when resyncing only some MIB entries as opposed to a full resync. The periodic reachability test (sysUpTime) is not considered a partial resync, neither is a full resync. However, a PartialResyncProblem alarm can only be reset by a FullResync.		
Raising condition: ('partialResyncStatus' EQUAL 'Partial Resync Failed')		
Clearing condition: ('partialResyncStatus' EQUAL 'Partial Resync Done')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE.		

Table 27-60 PersistentIndexParametersMisconfigured

Alarm	Attributes	Applicable major NE releases
Name: PersistentIndexParametersMisconfigured (173) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: persistentIndexConfigurationMismatch (136)	<ul style="list-style-type: none"> 6.6.3 6.6.4
Description: The alarm is raised when persistence is set to Off in the NE BOF.		
Raising condition: (('Persistent SNMP Indices' EQUAL 'False') OR (('hasRedundantProcessorCards' EQUAL 'true') AND ('Redundant Synchronization Mode' EQUAL 'None')))		

(1 of 2)

27 – Alcatel-Lucent OS6450 alarms

Alarm	Attributes	Applicable major NE releases
Clearing condition: (('Persistent SNMP Indices' EQUAL 'True') AND (('hasRedundantProcessorCards' EQUAL 'false') OR ('Redundant Synchronization Mode' NOT EQUAL 'None')))		
Remedial action: A configuration error has occurred that must be corrected. Use the CLI on the NE to enable persistency in the BOF. The discovery process will complete on the next discovery scan. A re-scan can be triggered immediately for the NE from within the discovery manager		

(2 of 2)

Table 27-61 PollerProblem

Alarm	Attributes	Applicable major NE releases
Name: PollerProblem (31) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: resyncFailed (24)	<ul style="list-style-type: none"> 6.6.3 6.6.4
Description: The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
Raising condition: ('Resync Status' EQUAL 'Full Resync Failed')		
Clearing condition: ('Resync Status' EQUAL 'Full Resync Done')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 27-62 PowerSupplyFailure

Alarm	Attributes	Applicable major NE releases
Name: PowerSupplyFailure (633) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: critical Implicitly cleared: true Default probable cause: powerSupplyFailure (117)	<ul style="list-style-type: none"> 6.6.3 6.6.4
Description: The alarm is raised when a power-supply tray reports a failure. When the alarm is raised during device discovery, a power-supply tray may be out of service. When the alarm is raised while the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
Raising condition: (('Power Supply 1 Status' EQUAL 'Not Equipped') OR ('Power Supply 1 Status' EQUAL 'Failed'))		
Clearing condition: (('Power Supply 1 Status' EQUAL 'OK'))		
Remedial action: Ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 27-63 PowerSupplyInputFeedDown

Alarm	Attributes	Applicable major NE releases
Name: PowerSupplyInputFeedDown (5422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: minor Implicitly cleared: true Default probable cause: powerSupplyInputFeedDown (2073)	<ul style="list-style-type: none"> 6.6.3 6.6.4
Description: This alarm is generated if any one of the input feeds for a given power supply is not supplying power.		
Raising condition: (('Input Feed Status' EQUAL 'Input A Down') OR ('Input Feed Status' EQUAL 'Input B Down') OR (('Input Feed Status'allBits'Input A Down') AND ('Input Feed Status'allBits'Input B Down'))		
Clearing condition: ('Input Feed Status' EQUAL 'None')		
Remedial action: Restore all of the input feeds that are not supplying power.		

Table 27-64 PowerSupplyRemoved

Alarm	Attributes	Applicable major NE releases
Name: PowerSupplyRemoved (542) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: major Implicitly cleared: true Default probable cause: PowerSupplyRemoved (415)	<ul style="list-style-type: none"> 6.6.3 6.6.4
Description: The alarm is raised when a chassis power supply is removed.		
Raising condition: ('Power Supply 1 Status' EQUAL 'Not Equipped')		
Clearing condition: ('Power Supply 1 Status' NOT EQUAL 'Not Equipped')		
Remedial action: To recover from this event, the customer is requested to add a new power supply to the system, or change a faulty power supply with a working one.		

Table 27-65 PrimaryImageBootFailure

Alarm	Attributes	Applicable major NE releases
Name: PrimaryImageBootFailure (191) Type: configurationAlarm (11) Package: sw Raised on class: sw.CardSoftware	Severity: warning Implicitly cleared: true Default probable cause: bootOptionFileMisconfigured (150)	<ul style="list-style-type: none"> 6.6.3 6.6.4
Description: The alarm is raised when the primary software image specified in an NE BOF is unusable.		
Raising condition: (('imageSource' NOT EQUAL 'Primary') AND ('imageSource' NOT EQUAL 'Unknown'))		
Clearing condition: (('imageSource' EQUAL 'Primary') OR ('imageSource' EQUAL 'Unknown'))		
Remedial action: The SW image on the NE may have been inadvertently corrupted. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

Table 27-66 RadiusOperStatusDown

Alarm	Attributes	Applicable major NE releases
Name: RadiusOperStatusDown (3692) Type: radiusOperStatusDownAlarm (105) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: radiusOperationStatusDown (1431)	<ul style="list-style-type: none"> • 6.6.3 • 6.6.4
Description: The alarm is raised when all RADIUS servers have gone down.		
Raising condition: ('Global RADIUS Operational State' EQUAL 'Down')		
Clearing condition: ('Global RADIUS Operational State' EQUAL 'Up')		
Remedial action: Verify the RADIUS server is properly configured and radius server state is up. Check the connectivity between SAM server and radius server configured on the Network element.		

Table 27-67 ReachabilityProblem

Alarm	Attributes	Applicable major NE releases
Name: ReachabilityProblem (243) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ReachabilityTestFailed (176)	<ul style="list-style-type: none"> • 6.6.3 • 6.6.4
Description: The alarm is raised when an Mediation poll of the SysUpTimeAlarm object on an NE fails, for example, because of network congestion or because the NE is too busy to respond. The probable cause is an unreachable NE Mediation agent on the NE. By default, the 5620 SAM polls a managed NE every two minutes. If a poll fails, the alarm is raised. The 5620 SAM polls the NE two minutes after the first failure. If successive polls fail, the 5620 SAM raises the polling interval for the NE by two minutes after each failure to a maximum of 12 min. The polling interval remains at 12 min until the 5620 SAM receives a response from the NE. The alarm clears when the 5620 SAM receives a response from the NE, and the 5620 SAM GUI icon that represents the NE turns from red to green.		
Raising condition: ('SNMP Reachability' EQUAL 'Down')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 27-68 ReconfigFailure

Alarm	Attributes	Applicable major NE releases
Name: ReconfigFailure (1949) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: failedReconfig (937)	<ul style="list-style-type: none"> • 6.6.3 • 6.6.4
Description: This alarm is raised when the reconfig action failed.		
Raising condition: ('State' EQUAL 'Failed')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: ('State' NOT EQUAL 'Failed')		
Remedial action: Verify that the object is configured as expected.		

(2 of 2)

Table 27-69 RedundantMepMisconfiguration

Alarm	Attributes	Applicable major NE releases
Name: RedundantMepMisconfiguration (3631) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: minor Implicitly cleared: true Default probable cause: misconfiguredRedundantMep (1416)	<ul style="list-style-type: none"> 6.6.3 6.6.4
Description: The alarm is raised when an Active and Redundant MEP do not have the same Id, Operational MAC Address or Sub Group configured.		
Raising condition: ('validRedundantMepConfig' EQUAL 'false')		
Clearing condition: ('validRedundantMepConfig' EQUAL 'true')		
Remedial action: MC-LAG redundant MEP configuration (MEP ID or Mac Address) for Active & Standby Interfaces do not match, this could cause issues with CFM or CCM tests if Active interface changes. Delete and Re-create Standby MEP to match Active.		

Table 27-70 RedundantMepMissing

Alarm	Attributes	Applicable major NE releases
Name: RedundantMepMissing (3632) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: minor Implicitly cleared: true Default probable cause: missingRedundantMep (1417)	<ul style="list-style-type: none"> 6.6.3 6.6.4
Description: The alarm is raised when a MEP misses a redundant counterpart on LAG or SAP.		
Raising condition: (('MC-LAG Inactive' NOT EQUAL 'Not Applicable') AND ('Redundant MEP' EQUAL '\'))		
Clearing condition: (('MC-LAG Inactive' EQUAL 'Not Applicable') OR (('MC-LAG Inactive' NOT EQUAL 'Not Applicable') AND ('Redundant MEP' NOT EQUAL '\')))		
Remedial action: MC-LAG redundant MEP is missing Active & Standby Interfaces, this will cause issues with CFM or CCM tests if Active interface changes. Create missing Active/Standby MEP to match existing.		

Table 27-71 RemoteMepCCMAAlarm

Alarm	Attributes	Applicable major NE releases
Name: RemoteMepCCMAAlarm (502) Type: oamAlarm (18) Package: ethernetOam Raised on class: ethernetOam.Mep	Severity: major Implicitly cleared: true Default probable cause: missingRemoteMep (388)	<ul style="list-style-type: none"> • 6.6.3 • 6.6.4
Description: The alarm is raised when a MEP loses connectivity with one or more remote MEPs. The Remote MEP DB State tab on a MEP lists the missing remote MEPs.		
Raising condition: ('High-Priority Defect' NOT EQUAL '0')		
Clearing condition: ('High-Priority Defect' EQUAL '0')		
Remedial action: MEP has lost communication with Remote MEP defined in Maintenance Association (MEG) Remote MEP list, Either Remote MEP list is incorrect or diagnose connection fault and resolve.		

Table 27-72 RipDown

Alarm	Attributes	Applicable major NE releases
Name: RipDown (72) Type: ProtocolAlarm (1) Package: rip Raised on class: rip.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 6.6.3 • 6.6.4
Description: The alarm is raised when a RIP site has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: The RIP Site is down while it is administratively up. Please check the node e.g, IOM is not shutdown or installed.		

Table 27-73 SaveConfigFailed

Alarm	Attributes	Applicable major NE releases
Name: SaveConfigFailed (105) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileAccessError (90)	<ul style="list-style-type: none"> • 6.6.3 • 6.6.4
Description: The alarm is raised when the admin save command on an NE fails.		
Raising condition: ('Config Save State' EQUAL 'Failure')		
Clearing condition: ('Config Save State' EQUAL 'Success')		
Remedial action: Attempt the admin save command a second time. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 27-74 ScheduledPollerProblem

Alarm	Attributes	Applicable major NE releases
Name: ScheduledPollerProblem (4386) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: scheduledResyncFailed (1569)	<ul style="list-style-type: none"> 6.6.3 6.6.4
Description: The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
Raising condition: ('Scheduled Resync Status' EQUAL 'Scheduled Resync Failed')		
Clearing condition: ('Scheduled Resync Status' EQUAL 'Scheduled Resync Done')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 27-75 ServiceSiteDown

Alarm	Attributes	Applicable major NE releases
Name: ServiceSiteDown (97) Type: serviceAlarm (16) Package: service Raised on class: service.Site	Severity: critical Implicitly cleared: true Default probable cause: siteDown (83)	<ul style="list-style-type: none"> 6.6.3 6.6.4
Description: The alarm is raised when all SAPs on a site are operationally down, or when the service tunnels for the site are operationally down.		
Raising condition: (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'All Spoke SDP Bindings are Standby'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'All Spoke SDP Bindings are Standby'))		
Remedial action: The network resources (i.e. physical ports for SAPs, or physical ports/LSP) associated with the service site should be examined to determine if/why they are operationally down. The underlying transport network supporting the site may also be unreliable.		

Table 27-76 SiteManagementVlanConflict

Alarm	Attributes	Applicable major NE releases
Name: SiteManagementVlanConflict (223) Type: configurationAlarm (11) Package: vlan Raised on class: vlan.Site	Severity: warning Implicitly cleared: true Default probable cause: topologyMisconfigured (81)	<ul style="list-style-type: none"> 6.6.3 6.6.4
Description: The alarm is raised when the management VLAN ID is used for another type of service.		
Raising condition: ('managementVlanConflict' EQUAL 'true')		
Clearing condition: ('managementVlanConflict' EQUAL 'false')		

(1 of 2)

27 – Alcatel-Lucent OS6450 alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: Ensure that the VLAN ID of this Management Service Site is not used on any other type of VLAN Service Site.		

(2 of 2)

Table 27-77 SiteVlanSubTypeConflict

Alarm	Attributes	Applicable major NE releases
Name: SiteVlanSubTypeConflict (224) Type: configurationAlarm (11) Package: vlan Raised on class: vlan.Site	Severity: major Implicitly cleared: true Default probable cause: topologyMisconfigured (81)	<ul style="list-style-type: none"> 6.6.3 6.6.4
Description: The alarm is raised when more than one type of VLAN service has the same VLAN ID. The alarm is raised against a site.		
Raising condition: ('vlanSubTypeConflict' EQUAL 'true')		
Clearing condition: ('vlanSubTypeConflict' EQUAL 'false')		
Remedial action: Ensure that only one type of VLAN Service is configured with the VLAN ID used by this Site.		

Table 27-78 StatsRetrieveFailed

Alarm	Attributes	Applicable major NE releases
Name: StatsRetrieveFailed (244) Type: configurationAlarm (11) Package: sw Raised on class: sw.AccountingStatsRetrievalManager	Severity: major Implicitly cleared: false Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> 6.6.3 6.6.4
Description: The alarm is raised when the 5620 SAM main or auxiliary server cannot transfer an accounting file from an NE.		
Raising condition: (('Stats Retrieval State' NOT EQUAL 'Success') AND ('Stats Retrieval State' NOT EQUAL 'Not Attempted'))		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy or otherwise cannot respond to the 5620 SAM main or auxiliary server.		

Table 27-79 SubscriberSystemNextHopUsageHigh

Alarm	Attributes	Applicable major NE releases
Name: SubscriberSystemNextHopUsageHigh (5157) Type: thresholdCrossed (6) Package: netw Raised on class: netw.NetworkElement	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> 6.6.3 6.6.4

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit.		
Raising condition: ('IP Next Hop Usage High' EQUAL 'true')		
Clearing condition: ('IP Next Hop Usage High' EQUAL 'false')		
Remedial action: The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit. There is no immediate effect, but when the usage actually hits the limit, new hosts will not get their managed routes.		

(2 of 2)

Table 27-80 TemperatureThresholdCrossed

Alarm	Attributes	Applicable major NE releases
Name: TemperatureThresholdCrossed (7) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Environment	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> • 6.6.3 • 6.6.4
Description: The alarm is raised when a temperature crosses a threshold.		
Raising condition: ('temperatureThresholdCrossed' EQUAL 'true')		
Clearing condition: ('temperatureThresholdCrossed' EQUAL 'false')		
Remedial action: The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 27-81 TlsSiteDown

Alarm	Attributes	Applicable major NE releases
Name: TlsSiteDown (163) Type: ProtocolAlarm (1) Package: layer2 Raised on class: layer2.TlsSite	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 6.6.3 • 6.6.4
Description: The alarm is raised when MVR is disabled on an NE and a TLS VLAN or MVR VLAN service is provisioned on the NE.		
Raising condition: ('TLS Admin Status' EQUAL 'Disabled')		
Clearing condition: ('TLS Admin Status' EQUAL 'Enabled')		
Remedial action: To clear the alarm, enable TLS Admin Status under the Bridge Instance.		

Table 27-82 TmnxEqPortEtherLoopDetected

Alarm	Attributes	Applicable major NE releases
Name: TmnxEqPortEtherLoopDetected (461) Type: portEtherLoopDetected (48) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> • 6.6.3 • 6.6.4
Description: The alarm is raised when a device detects a physical loop on an Ethernet port.		
Raising condition: (('Down When Looped Status' EQUAL 'Loop Detected'))		
Clearing condition: (('Down When Looped Status' EQUAL 'No Loop Detected'))		
Remedial action: An Ethernet port has been mis-cabled - please remove the loopback cable on the port.		

Table 27-83 TrapDestinationMisconfigured

Alarm	Attributes	Applicable major NE releases
Name: TrapDestinationMisconfigured (33) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: trapDestinationMisconfigured (26) Applicable probable causes: <ul style="list-style-type: none"> • trapDestinationMisconfigured • duplicateTrapLogId 	<ul style="list-style-type: none"> • 6.6.3 • 6.6.4
Description: The alarm is raised when the 5620 SAM cannot be added to the NE's SNMP trap destinations.		
Raising condition: ('isTrapDestinationMisconfigured' EQUAL 'true')		
Clearing condition: ('isTrapDestinationMisconfigured' EQUAL 'false')		
Remedial action: A configuration error has been made which must be corrected. The SNMP trap destination on the NE must be configured to the IP address of the SAM server.		

Table 27-84 TrapReceivingFailure

Alarm	Attributes	Applicable major NE releases
Name: TrapReceivingFailure (1083) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: false Default probable cause: trapsWillNotBeSent (822)	<ul style="list-style-type: none"> • 6.6.3 • 6.6.4
Description: This user-defined alarm is raised when the NE is unable to send traps because the NE configuration is one of the following: - The Management IP Selection is set to Out Of Band Only, the Primary Route Preference is set to In Band, and the Secondary Route Preference is set to None. - The Management IP Selection is set to In Band Only, the Primary Route Preference is set to Out Of Band, and the Secondary Route Preference is set to None.		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Raising condition: (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
Clearing condition: (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND ('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND ('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band'))))		
Remedial action: A configuration error has been made which must be corrected. The configuration error must be corrected per the discussion in the description for this alarm.		

(2 of 2)

Table 27-85 TrapRoutePreferenceRedundancyMissing

Alarm	Attributes	Applicable major NE releases
Name: TrapRoutePreferenceRedundancyMissing (1084) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: trapsRedundancyMissing (823)	<ul style="list-style-type: none"> 6.6.3 6.6.4
Description: The user-defined alarm is raised when NE management redundancy is configured without trap route preference redundancy.		
Raising condition: (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
Clearing condition: (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Secondary Route Preference' NOT EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Secondary Route Preference' NOT EQUAL 'None'))))		
Remedial action: A configuration error has been made which must be corrected. The IP address of the standby SAM server must be configured on the NE in question.		

Table 27-86 UnidentifiedNode

Alarm	Attributes	Applicable major NE releases
Name: UnidentifiedNode (1922) Type: communicationsAlarm (4) Package: netw Raised on class: netw.DiscoveredNode	Severity: major Implicitly cleared: true Default probable cause: unidentifiedNode (922)	<ul style="list-style-type: none"> 6.6.3 6.6.4
Description: The alarm is raised when the node being discovered can not be properly identified.		
Raising condition: ('State' EQUAL 'Pending Identification')		
Clearing condition: ('State' NOT EQUAL 'Pending Identification')		
Remedial action: A configuration error has occurred that must be corrected. The eNodeB does not have a system name. The name can be configured by selecting the alarm, opening the associated properties form for the alarmed object and configuring the system name.		

Table 27-87 UnmanageFailed

Alarm	Attributes	Applicable major NE releases
Name: UnmanageFailed (300) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.NodeDiscoveryControl	Severity: warning Implicitly cleared: true Default probable cause: unableToDeleteNode (231)	<ul style="list-style-type: none"> 6.6.3 6.6.4
Description: The alarm is raised when an attempt to unmanage an NE fails.		
Raising condition: ('Site State' EQUAL 'unmanage failed')		
Clearing condition: ('Site State' NOT EQUAL 'unmanage failed')		
Remedial action: Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 27-88 unsupportedPortUsage

Alarm	Attributes	Applicable major NE releases
Name: unsupportedPortUsage (5184) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: warning Implicitly cleared: true Default probable cause: incompatiblePortUsage (2100)	<ul style="list-style-type: none"> 6.6.3 6.6.4
Description: The alarm is raised in case unsupported port type is configured		
Raising condition: (('portId' >= '1L') AND ('portId' <= '4L') AND ('specificCardType' EQUAL 'EASv2') AND (('Port Usage' EQUAL 'MPT-HC') OR ('Port Usage' EQUAL 'MPT-MC')))"		
Clearing condition: NOT (((('portId' >= '1L') AND ('portId' <= '4L') AND ('specificCardType' EQUAL 'EASv2') AND (('Port Usage' EQUAL 'MPT-HC') OR ('Port Usage' EQUAL 'MPT-MC')))))"		
Remedial action: This alarm indicates unsupported port usage. Port usage configured on the NE is not supported by SAM.		

Table 27-89 UpgradedBuildVersionMismatch

Alarm	Attributes	Applicable major NE releases
Name: UpgradedBuildVersionMismatch (174) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: upgradedImageNotBooted (137)	<ul style="list-style-type: none"> • 6.6.3 • 6.6.4
Description: The alarm is raised when the software version that an NE reports after a software upgrade does not match the version of the software used for the upgrade.		
Raising condition: ('upgradedBuildVersionMismatch' EQUAL 'true')		
Clearing condition: ('upgradedBuildVersionMismatch' EQUAL 'false')		
Remedial action: Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 27-90 upgradedCardAlarm

Alarm	Attributes	Applicable major NE releases
Name: upgradedCardAlarm (255) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: upgradedCard (194)	<ul style="list-style-type: none"> • 6.6.3 • 6.6.4
Description: The alarm is raised when the standby CPM is rebooted and operational after a software upgrade. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
Raising condition: ('operationalState' EQUAL 'Upgrade')		
Clearing condition: ('operationalState' EQUAL 'Up')		
Remedial action: Informational - no corrective action required.		

Table 27-91 VersionConfigRestoreFailed

Alarm	Attributes	Applicable major NE releases
Name: VersionConfigRestoreFailed (536) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: versionMismatch (405)	<ul style="list-style-type: none"> • 6.6.3 • 6.6.4
Description: The alarm is raised when the restore procedure on an NE fails because of a mismatch between the backup file set version and the NE software version.		
Raising condition: ('lastNmsVersionRestoreState' EQUAL 'Failure')		
Clearing condition: ('lastNmsVersionRestoreState' EQUAL 'Success')		
Remedial action: The backup files being restored do not match with the version of node software release. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

Table 27-92 WrongCpaaSoftwareVersion

Alarm	Attributes	Applicable major NE releases
Name: WrongCpaaSoftwareVersion (791) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: wrongCpaaSoftwareVersion (559)	<ul style="list-style-type: none"> • 6.6.3 • 6.6.4
Description: The alarm is raised when the 7701 CPAA software is the wrong version and requires an upgrade.		
Raising condition: (('Software Version' EQUAL '\TiMOS-B-3.0.Generic \') AND ('Chassis Type' EQUAL '7701 CPAA'))		
Clearing condition: (('Software Version' NOT EQUAL '\TiMOS-B-3.0.Generic \') AND ('Chassis Type' EQUAL '7701 CPAA'))		
Remedial action: The SW version of the CPAA must be upgraded to the version compatible with CPAM version.		

28 — Alcatel-Lucent OS6850/6850E alarms



Note — Some alarms that the 5620 SAM can raise against this device may not be listed in this chapter. Associating alarms with specific NE types is an ongoing Alcatel-Lucent effort. If the 5620 SAM raises an alarm against this device type, and the alarm is not described in this chapter, see chapter 35 for information about the alarm.

Table 28-1 AccessInterfaceDown

Alarm	Attributes	Applicable major NE releases
Name: AccessInterfaceDown (249) Type: AccessInterfaceAlarm (32) Package: service Raised on class: service.AccessInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> • 6.4.2 • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when an L2 or L3 interface operational state is Down. The alarm is not raised against an L2 access interface that is associated with an MC ring or MC LAG in the standby state.		
Raising condition: (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'Standby For MC-Ring') AND ('State Cause' NOT EQUAL 'Standby For MC-Lag') AND ('State Cause' NOT EQUAL 'Standby For BGP Multi-homing'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'Standby For MC-Ring') OR ('State Cause' EQUAL 'Standby For MC-Lag') OR ('State Cause' EQUAL 'Standby For BGP Multi-homing'))		
Remedial action: The condition exists because the physical interface is down either because it is administratively disabled, faulty or a cabling fault has occurred. Ensure that the interface is administratively up. Check for a poor cable connection to the port or for a faulty cable/fiber. If neither appears to be the problem run diagnostics on the port to determine if it is faulty.		

Table 28-2 ActiveAbnormalCondition

Alarm	Attributes	Applicable major NE releases
Name: ActiveAbnormalCondition (3938) Type: activeAbnormalConditionAlarm (116) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ActiveAbnormalConditionState (1520)	<ul style="list-style-type: none"> • 6.4.2 • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is an indication for abnormal condition on NE.		
Raising condition: ('abnormalCondition' EQUAL 'true')		
Clearing condition: ('abnormalCondition' EQUAL 'false')		
Remedial action: This alarm is raised when there is a abnormal state indication on NE.		

Table 28-3 AGWDiameterPeerDown

Alarm	Attributes	Applicable major NE releases
Name: AGWDiameterPeerDown (844) Type: EpcAlarm (59) Package: lte Raised on class: lte.AGWDiameterPeer	Severity: variable Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> • 6.4.2 • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the path management state of a Diameter peer changes to a state other than Up.		
Raising condition: ('Path Diameter Management State' NOT EQUAL 'Active')		
Clearing condition: ('Path Diameter Management State' EQUAL 'Active')		
Remedial action: A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

Table 28-4 AreaTypeMismatch

Alarm	Attributes	Applicable major NE releases
Name: AreaTypeMismatch (38) Type: configurationAlarm (11) Package: ospf Raised on class: ospf.Area	Severity: warning Implicitly cleared: true Default probable cause: areaTypeMisconfigured (34)	<ul style="list-style-type: none"> • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when an OSPF area on one NE is configured as an NSSA and the same OSPF area on another NE is configured as a stub area.		
Raising condition: ('Type Mismatch' EQUAL 'true')		
Clearing condition: ('Type Mismatch' EQUAL 'false')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: A configuration error has been made which must be corrected. The OSPF area type configured for the NE does not match with the same OSPF area configured on another NE. Compare the configuration on the endpoint and correct the mismatch.		

(2 of 2)

Table 28-5 AuxiliaryServerStatus

Alarm	Attributes	Applicable major NE releases
Name: AuxiliaryServerStatus (311) Type: communicationsAlarm (4) Package: server Raised on class: server.AuxiliaryServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> • 6.4.2 • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when a 5620 SAM main server cannot communicate with an auxiliary server. The alarm clears when communication is restored.		
Raising condition: ('Server Status' EQUAL 'Down')		
Clearing condition: ('Server Status' EQUAL 'Up')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the AUX and SAM servers is unreliable.		

Table 28-6 BgpDown

Alarm	Attributes	Applicable major NE releases
Name: BgpDown (6) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 6.4.2 • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when a BGP instance has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: The BGP protocol entity is down - administratively disable BGP and re-enable. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 28-7 BootableConfigBackupFailed

Alarm	Attributes	Applicable major NE releases
Name: BootableConfigBackupFailed (103) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> • 6.4.2 • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the 5620 SAM fails to back up a set of NE configuration files.		
Raising condition: ('Backup State' EQUAL 'Failure')		
Clearing condition: ('Backup State' EQUAL 'Success')		
Remedial action: Investigation is required to resolve the following possible scenarios: insufficient disk space is available to accommodate the NE configuration files (additional SAM platform alarms will accompany this alarm); the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

Table 28-8 BootableConfigRestoreFailed

Alarm	Attributes	Applicable major NE releases
Name: BootableConfigRestoreFailed (104) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> • 6.4.2 • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the 5620 SAM fails to restore a set of NE configuration files.		
Raising condition: ('Restore State' EQUAL 'Failure')		
Clearing condition: ('Restore State' EQUAL 'Success')		
Remedial action: Investigation is required to resolve the following possible scenarios: the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

Table 28-9 BootParametersMisconfigured

Alarm	Attributes	Applicable major NE releases
Name: BootParametersMisconfigured (35) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: persistentIndexFailure (30) Applicable probable causes: <ul style="list-style-type: none"> • persistentIndexFailure • configFileBootFailure 	<ul style="list-style-type: none"> • 6.4.2 • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the SNMP Index Boot Status on an NE is not set to Persistent.		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Raising condition: (('isGenericNode' EQUAL 'false') AND ('State' NOT EQUAL 'Pre-provisioned') AND (('Config File Status' NOT EQUAL 'Executed Successfully') OR ('Persistent Index Status' NOT EQUAL 'Rebuild Succeeded')))		
Clearing condition: (('Config File Status' EQUAL 'Executed Successfully') AND ('Persistent Index Status' EQUAL 'Rebuild Succeeded'))		
Remedial action: Ensure that "SNMP Index Boot Status" is persistent (using cli command "show system information" on the NE). If not, unmanage the network element from SAM, ensure that "persist on" is set in the bof file, save the bof, save a config file, verify that an index file (.ndx) is saved as well, reboot the router, verify that SNMP Index Boot Status is persistent and finally remanage the router from SAM.		

(2 of 2)

Table 28-10 ClientDelegateServerStatus

Alarm	Attributes	Applicable major NE releases
Name: ClientDelegateServerStatus (731) Type: communicationsAlarm (4) Package: server Raised on class: server.ClientDelegateServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> • 6.4.2 • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when a client delegate server is unreachable.		
Raising condition: ('Server Status' EQUAL 'Down')		
Clearing condition: ('Server Status' EQUAL 'Up')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the client delegate platform and SAM servers is unreliable or the client delegate server itself is unreliable.		

Table 28-11 ContainingEquipmentAdministrativelyDown

Alarm	Attributes	Applicable major NE releases
Name: ContainingEquipmentAdministrativelyDown (466) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: minor Implicitly cleared: true Default probable cause: containingEquipmentAdministrativelyDown (330)	<ul style="list-style-type: none"> • 6.4.2 • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentAdministrativelyDown.		
Raising condition: (('Status' EQUAL 'Parent Admin Down') AND ('isTerminatable' EQUAL 'true'))		
Clearing condition: (('Status' NOT EQUAL 'Parent Admin Down') OR ('isTerminatable' NOT EQUAL 'true'))		
Remedial action: Informational - no corrective action required.		

Table 28-12 ContainingEquipmentMismatch

Alarm	Attributes	Applicable major NE releases
Name: ContainingEquipmentMismatch (464) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentMismatch (328)	<ul style="list-style-type: none"> • 6.4.2 • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentMismatch.		
Raising condition: (('Status' EQUAL 'Parent Type Mismatch') AND ('isTerminatable' EQUAL 'true'))		
Clearing condition: (('Status' NOT EQUAL 'Parent Type Mismatch') OR ('isTerminatable' NOT EQUAL 'true'))		
Remedial action: A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

Table 28-13 ContainingEquipmentOperationallyDown

Alarm	Attributes	Applicable major NE releases
Name: ContainingEquipmentOperationallyDown (465) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentDown (329)	<ul style="list-style-type: none"> • 6.4.2 • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentOperationallyDown.		
Raising condition: (('Status' EQUAL 'Parent Oper Down') AND ('isTerminatable' EQUAL 'true'))		
Clearing condition: (('Status' NOT EQUAL 'Parent Oper Down') OR ('isTerminatable' NOT EQUAL 'true'))		
Remedial action: The operational state of the equipment element indicated in the alarm is down. This may be due to the element's administrative state or it may indicate that the element has failed.		

Table 28-14 CorruptImageFile

Alarm	Attributes	Applicable major NE releases
Name: CorruptImageFile (171) Type: configurationAlarm (11) Package: mediation Raised on class: mediation.AbstractSoftwareFolderDescriptor	Severity: critical Implicitly cleared: true Default probable cause: invalidOrCorruptImageFile (134)	<ul style="list-style-type: none"> • 6.4.2 • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when one or more files in the 5620 SAM software image specified for a device software upgrade is invalid, corrupt or absent. The 5620 SAM validates a device software file set before it imports the file set and distributes it to an NE. Ensure that the file set downloads properly to the NE and is not tampered with before you re-attempt the upgrade. The alarm clears when a valid file set is on the NE and the 5620 SAM activates the software image in the file set.		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Raising condition: ('isImageValid' EQUAL 'false')		
Clearing condition: ('isImageValid' EQUAL 'true')		
Remedial action: The existing SW image in the SAM database should be replaced with an image that is known to be complete and valid.		

(2 of 2)

Table 28-15 DDMAux1HighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMAux1HighAlarm (495) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: aux1HighAlarm (381)	<ul style="list-style-type: none"> • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the manufacturer-specific Auxiliary 1 of the XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux1 High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux1 High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 28-16 DDMAux1HighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMAux1HighWarning (494) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: aux1HighWarning (380)	<ul style="list-style-type: none"> • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the manufacturer-specific Auxiliary 1 of the XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux1 High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux1 High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 28-17 DDMAux1LowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMAux1LowAlarm (493) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: aux1LowAlarm (379)	<ul style="list-style-type: none"> • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the manufacturer-specific Auxiliary 1 of the XFP reaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux1 Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux1 Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 28-18 DDMAux1LowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMAux1LowWarning (492) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: aux1LowWarning (378)	<ul style="list-style-type: none"> • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the manufacturer-specific Auxiliary 1 of the XFP approaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux1 Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux1 Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 28-19 DDMAux2HighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMAux2HighAlarm (499) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: aux2HighAlarm (385)	<ul style="list-style-type: none"> • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the manufacturer-specific Auxiliary 2 of the XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux2 High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux2 High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 28-20 DDMAux2HighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMAux2HighWarning (498) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: aux2HighWarning (384)	<ul style="list-style-type: none"> • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the manufacturer-specific Auxiliary 2 of the XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux2 High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux2 High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 28-21 DDMAux2LowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMAux2LowAlarm (497) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: aux2LowAlarm (383)	<ul style="list-style-type: none"> • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the manufacturer-specific Auxiliary 2 of the XFP reaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux2 Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux2 Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 28-22 DDMAux2LowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMAux2LowWarning (496) Type: communicationthresholdAlarmnsAlarm (50) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: aux2LowWarning (382)	<ul style="list-style-type: none"> • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the manufacturer-specific Auxiliary 2 of the XFP approaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux2 Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux2 Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 28-23 DDMRxOpticalPowerHighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMRxOpticalPowerHighAlarm (491) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: rxOpticalPowerHighAlarm (377)	<ul style="list-style-type: none"> • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the received optical power of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Rx Optical Power High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Rx Optical Power High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 28-24 DDMRxOpticalPowerHighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMRxOpticalPowerHighWarning (490) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: rxOpticalPowerHighWarning (376)	<ul style="list-style-type: none"> • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the received optical power of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Rx Optical Power High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Rx Optical Power High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 28-25 DDMRxOpticalPowerLowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMRxOpticalPowerLowAlarm (489) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: rxOpticalPowerLowAlarm (375)	<ul style="list-style-type: none"> • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the received optical power of an SFP or XFP reaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBit'Rx Optical Power Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Rx Optical Power Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 28-26 DDMRxOpticalPowerLowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMRxOpticalPowerLowWarning (488) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: rxOpticalPowerLowWarning (374)	<ul style="list-style-type: none"> • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the received optical power of an SFP or XFP approaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBitRx Optical Power Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBitRx Optical Power Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 28-27 DDMSupplyVoltageHighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMSupplyVoltageHighAlarm (479) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: supplyVoltageHighAlarm (365)	<ul style="list-style-type: none"> • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the supply voltage of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBitSupply Voltage High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBitSupply Voltage High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 28-28 DDMSupplyVoltageHighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMSupplyVoltageHighWarning (478) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: supplyVoltageHighWarning (364)	<ul style="list-style-type: none"> • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the supply voltage of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBitSupply Voltage High Warning')		
Clearing condition: NOT (('failedThresholds'anyBitSupply Voltage High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 28-29 DDMSupplyVoltageLowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMSupplyVoltageLowAlarm (477) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: supplyVoltageLowAlarm (363)	<ul style="list-style-type: none"> • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the supply voltage of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Supply Voltage Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Supply Voltage Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 28-30 DDMSupplyVoltageLowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMSupplyVoltageLowWarning (476) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: supplyVoltageLowWarning (362)	<ul style="list-style-type: none"> • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the supply voltage of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Supply Voltage Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Supply Voltage Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 28-31 DDMTemperatureHighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTemperatureHighAlarm (475) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: temperatureHighAlarm (361)	<ul style="list-style-type: none"> • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the temperature of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Temperature High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Temperature High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 28-32 DDMTemperatureHighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTemperatureHighWarning (474) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: temperatureHighWarning (360)	<ul style="list-style-type: none"> • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the temperature of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Temperature High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Temperature High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 28-33 DDMTemperatureLowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTemperatureLowAlarm (473) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: temperatureLowAlarm (359)	<ul style="list-style-type: none"> • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the temperature of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Temperature Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Temperature Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 28-34 DDMTemperatureLowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTemperatureLowWarning (472) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: temperatureLowWarning (358)	<ul style="list-style-type: none"> • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the temperature of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Temperature Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Temperature Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 28-35 DDMTxBiasCurrentHighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTxBiasCurrentHighAlarm (483) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: txBiasCurrentHighAlarm (369)	<ul style="list-style-type: none"> • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the transmit bias current of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Bias Current High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Bias Current High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 28-36 DDMTxBiasCurrentHighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTxBiasCurrentHighWarning (482) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: txBiasCurrentHighWarning (368)	<ul style="list-style-type: none"> • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the transmit bias current of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Bias Current High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Bias Current High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 28-37 DDMTxBiasCurrentLowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTxBiasCurrentLowAlarm (481) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: txBiasCurrentLowAlarm (367)	<ul style="list-style-type: none"> • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the transmit bias current of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Bias Current Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Bias Current Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 28-38 DDMTxBiasCurrentLowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTxBiasCurrentLowWarning (480) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: txBiasCurrentLowWarning (366)	<ul style="list-style-type: none"> • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the transmit bias current of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Bias Current Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Bias Current Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 28-39 DDMTxOutputPowerHighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTxOutputPowerHighAlarm (487) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: txOutputPowerHighAlarm (373)	<ul style="list-style-type: none"> • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the output power of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Output Power High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Output Power High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 28-40 DDMTxOutputPowerHighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTxOutputPowerHighWarning (486) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: txOutputPowerHighWarning (372)	<ul style="list-style-type: none"> • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the output power of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Output Power High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Output Power High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 28-41 DDMTxOutputPowerLowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTxOutputPowerLowAlarm (485) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: txOutputPowerLowAlarm (371)	<ul style="list-style-type: none"> • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the output power of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Output Power Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Output Power Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 28-42 DDMTxOutputPowerLowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTxOutputPowerLowWarning (484) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: txOutputPowerLowWarning (370)	<ul style="list-style-type: none"> • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the output power of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Output Power Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Output Power Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 28-43 downgradedCardAlarm

Alarm	Attributes	Applicable major NE releases
Name: downgradedCardAlarm (256) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: downgradedCard (195)	<ul style="list-style-type: none"> • 6.4.2 • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when an IOM is not upgraded or reset after a device software upgrade of both CPMs. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
Raising condition: ('operationalState' EQUAL 'Downgrade')		
Clearing condition: ('operationalState' EQUAL 'Up')		
Remedial action: Informational - no corrective action required.		

Table 28-44 EfmOamAlarm

Alarm	Attributes	Applicable major NE releases
Name: EfmOamAlarm (4617) Type: equipmentAlarm (3) Package: ethernetEquipment Raised on class: ethernetEquipment.Dot3Oam	Severity: minor Implicitly cleared: true Default probable cause: EFMOperationalStateOutOfService (1886)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when EFM Ignore status is Enabled, and Physical port Administrative State is Down.		
Raising condition: ('Ignore EFM State' EQUAL 'true')		
Clearing condition: ('Ignore EFM State' EQUAL 'true')		
Remedial action: The alarm is raised when EFM Ignore status is Enabled, and Physical port Administrative State is Down.		

Table 28-45 EquipmentAdministrativelyDown

Alarm	Attributes	Applicable major NE releases
Name: EquipmentAdministrativelyDown (455) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: minor Implicitly cleared: true Default probable cause: equipmentAdministrativelyDown (326)	<ul style="list-style-type: none"> • 6.4.2 • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentAdministrativelyDown.		
Raising condition: ('compositeEquipmentState' EQUAL 'Admin Down')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Admin Down')		
Remedial action: Informational - no corrective action required.		

Table 28-46 EquipmentDegraded

Alarm	Attributes	Applicable major NE releases
Name: EquipmentDegraded (604) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: minor Implicitly cleared: true Default probable cause: singleFanFailure (450)	<ul style="list-style-type: none"> • 6.4.2 • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when a single fan fails. The chassis attempts to continue operating within the normal temperature range using only the remaining fans.		
Raising condition: ('Device State' EQUAL 'MinorFailure')		
Clearing condition: ('Device State' NOT EQUAL 'MinorFailure')		
Remedial action: The failed fan unit should be replaced.		

Table 28-47 EquipmentDown

Alarm	Attributes	Applicable major NE releases
Name: EquipmentDown (10) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: inoperableEquipment (8)	<ul style="list-style-type: none"> • 6.4.2 • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentOperationallyDown.		
Raising condition: ('compositeEquipmentState' EQUAL 'Oper Down')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Oper Down')		
Remedial action: This alarm indicates that a card in the NE has failed. The card must be replaced.		

Table 28-48 EquipmentFailure

Alarm	Attributes	Applicable major NE releases
Name: EquipmentFailure (145) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.ReplaceableUnit	Severity: critical Implicitly cleared: true Default probable cause: cardFailure (123)	<ul style="list-style-type: none"> • 6.4.2 • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when a control processor or power-supply tray reports a failure. When the object type is ControlProcessor, a CPM may be unable to boot. When the object type is Power Supply Tray and the alarm is raised during device discovery, a power-supply tray may be out of service. When the object type is a Power Supply Tray and the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
Raising condition: ('operationalState' EQUAL 'Failed')		
Clearing condition: ('operationalState' NOT EQUAL 'Failed')		
Remedial action: If the alarm indicates that the CPM card has a fault, remove the card and reset it. If this does not clear the alarm then please contact Alcatel-Lucent support for assistance. If the alarm indicates that the Power Supply tray is out of service ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 28-49 EquipmentInTest

Alarm	Attributes	Applicable major NE releases
Name: EquipmentInTest (11) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: warning Implicitly cleared: true Default probable cause: equipmentInTest (9)	<ul style="list-style-type: none"> • 6.4.2 • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when equipment enters a diagnostic state.		
Raising condition: ('compositeEquipmentState' EQUAL 'In Test')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'In Test')		
Remedial action: Informational - no corrective action required.		

(2 of 2)

Table 28-50 EquipmentMismatch

Alarm	Attributes	Applicable major NE releases
Name: EquipmentMismatch (9) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: equipmentTypeMismatch (7)	<ul style="list-style-type: none"> • 6.4.2 • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMismatch.		
Raising condition: ('compositeEquipmentState' EQUAL 'Type Mismatch')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Type Mismatch')		
Remedial action: A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

Table 28-51 EquipmentRemoved

Alarm	Attributes	Applicable major NE releases
Name: EquipmentRemoved (8) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: replaceableEquipmentRemoved (6)	<ul style="list-style-type: none"> • 6.4.2 • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMissing.		
Raising condition: (('compositeEquipmentState' EQUAL 'Removed') AND ('isEquipmentInserted' EQUAL 'true'))		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Removed')		
Remedial action: Informational - this alarm is raised when a card is removed.		

Table 28-52 EthernetPortConfiguredLoopback

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortConfiguredLoopback (801) Type: configurationAlarm (11) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: warning Implicitly cleared: true Default probable cause: ethernetPortConfiguredLoopback (567)	<ul style="list-style-type: none"> • 6.4.2 • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when a timed loopback is in effect for an Ethernet port.		
Raising condition: (('Type' NOT EQUAL 'None'))		
Clearing condition: (('Type' EQUAL 'None'))		
Remedial action: This alarm has been raised by the node because "Timed Loopback" option of the specific port's Ethernet property has been enabled. To resolve this problem from "Ethernet" tab of "Physical Port" properties form configure "Timed Loopback" Type property as "None".		

Table 28-53 EthernetPortDuplicateLane

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortDuplicateLane (3557) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: DuplicateLane (1387)	<ul style="list-style-type: none"> • 6.4.2 • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when a device reports a Duplicate Lane on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 28-54 EthernetPortHighBer

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortHighBer (307) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> • 6.4.2 • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when a device reports a high bit-error rate on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: NOT (((('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))))		
Remedial action: One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

(2 of 2)

Table 28-55 EthernetPortLocalFault

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortLocalFault (305) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: LocalFault (236)	<ul style="list-style-type: none"> • 6.4.2 • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when a device reports a local fault on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))))		
Remedial action: One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 28-56 EthernetPortNoAmLock

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortNoAmLock (3558) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoAmLock (1388)	<ul style="list-style-type: none"> • 6.4.2 • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when a device reports a No Am Lock on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 28-57 EthernetPortNoBlockLock

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortNoBlockLock (3559) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoBlockLock (1389)	<ul style="list-style-type: none"> • 6.4.2 • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when a device reports a No Block Lock on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock'))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 28-58 EthernetPortNoFrameLock

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortNoFrameLock (306) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoFrameLock (237)	<ul style="list-style-type: none"> • 6.4.2 • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when a device reports No Frame Lock on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock'))		
Remedial action: One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 28-59 EthernetPortRemoteFault

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortRemoteFault (304) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: RemoteFault (235)	<ul style="list-style-type: none"> • 6.4.2 • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when a device reports a remote fault on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault'))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault'))))		
Remedial action: One of the following conditions exists on the remote physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

(2 of 2)

Table 28-60 EthernetPortSignalFailure

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortSignalFailure (303) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: SignalFailure (234)	<ul style="list-style-type: none"> • 6.4.2 • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when a device reports a signal failure on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))))		
Remedial action: One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 28-61 FanFailure

Alarm	Attributes	Applicable major NE releases
Name: FanFailure (624) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: fanFailure (116)	<ul style="list-style-type: none"> • 6.4.2 • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the associated fan is not operationally Up.		
Raising condition: (('Device State' EQUAL 'Failed') OR ('Device State' EQUAL 'Unknown') OR ('Device State' EQUAL 'OutOfService'))		
Clearing condition: ('Device State' EQUAL 'OK')		
Remedial action: Remove and reset the fan unit. If this does not resolve the problem replace the fan.		

Table 28-62 FanTrayRemoved

Alarm	Attributes	Applicable major NE releases
Name: FanTrayRemoved (569) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: FanTrayRemoved (438)	<ul style="list-style-type: none"> • 6.4.2 • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the deviceState attribute has a value of deviceNotEquipped.		
Raising condition: ('Device State' EQUAL 'Not Equipped')		
Clearing condition: ('Device State' NOT EQUAL 'Not Equipped')		
Remedial action: Informational - a fan tray has been removed from the NE.		

Table 28-63 FrameSizeProblem (netw)

Alarm	Attributes	Applicable major NE releases
Name: FrameSizeProblem (37) Type: configurationAlarm (11) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: frameSizeProblem (33)	<ul style="list-style-type: none"> • 6.4.2 • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when a provisioned MTU size value is greater than the supported MTU size value.		
Raising condition: (('mtuMismatch' EQUAL 'true') AND ('portId' NOT EQUAL '0L'))		
Clearing condition: (('mtuMismatch' EQUAL 'false') OR ('portId' EQUAL '0L'))		
Remedial action: A configuration error has been made which must be corrected. The MTU value must be changed such that is less than or equal to the supported MTU size value.		

Table 28-64 GaPeerDown

Alarm	Attributes	Applicable major NE releases
Name: GaPeerDown (3303) Type: EpcAlarm (59) Package: Iteggns Raised on class: Iteggns.GaPeer	Severity: major Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> • 6.4.2 • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the path management state of a Ga peer changes to a state other than Up.		
Raising condition: ('Path Management State' NOT EQUAL 'Active')		
Clearing condition: ('Path Management State' EQUAL 'Active')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

(2 of 2)

Table 28-65 IfVlanSubTypeConflict

Alarm	Attributes	Applicable major NE releases
Name: IfVlanSubTypeConflict (213) Type: configurationAlarm (11) Package: vlan Raised on class: vlan.L2AccessInterface	Severity: major Implicitly cleared: true Default probable cause: topologyMisconfigured (81)	<ul style="list-style-type: none"> • 6.4.2 • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when more than one type of VLAN service is configured with the same VLAN ID. The alarm is raised against an L2 access interface.		
Raising condition: ('vlanSubTypeConflict' EQUAL 'true')		
Clearing condition: ('vlanSubTypeConflict' EQUAL 'false')		
Remedial action: Ensure that only one type of VLAN Service is configured with the VLAN ID used by this Interface.		

Table 28-66 IgmpDown

Alarm	Attributes	Applicable major NE releases
Name: IgmpDown (158) Type: ProtocolAlarm (1) Package: igmp Raised on class: igmp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 6.4.2 • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when an IGMP site has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: While configured under VPRN, check if VPRN site is admin down, or if route distinguisher is not configured.		

Table 28-67 IgmpSnoopingDown

Alarm	Attributes	Applicable major NE releases
Name: IgmpSnoopingDown (161) Type: ProtocolAlarm (1) Package: layer2 Raised on class: layer2.Bridge	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 6.4.2 • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when IGMP snooping is disabled on an NE and a TLS VLAN or MVR VLAN service is provisioned on the NE.		
Raising condition: ('IGMP Snooping' EQUAL 'Disabled')		
Clearing condition: ('IGMP Snooping' EQUAL 'Enabled')		
Remedial action: To clear the alarm, enable IGMP Snooping under the Bridge Instance.		

Table 28-68 IncompleteConfiguration

Alarm	Attributes	Applicable major NE releases
Name: IncompleteConfiguration (1942) Type: operationalViolation (93) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: incompleteConfig (225)	<ul style="list-style-type: none"> • 6.4.2 • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when a pre-provisioned NE has no objects configured beneath it.		
Raising condition: (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' EQUAL '\'))		
Clearing condition: (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' NOT EQUAL '\'))		
Remedial action: A configuration error has been made which must be corrected. The configuration of the pre-provisioned NE is incomplete. A work order was not associated with the pre-provisioned NE and as a consequence the attempt to auto-configure the NE failed.		

Table 28-69 InterfaceDown (netw)

Alarm	Attributes	Applicable major NE releases
Name: InterfaceDown (36) Type: InterfaceAlarm (13) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> • 6.4.2 • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when an interface or underlying resource fails, as indicated by an interface compositeState attribute value of failed or underlyingResourceFailed.		
Raising condition: (('compositeState' EQUAL 'Inoperable') OR ('compositeState' EQUAL 'Underlying Resource Inoperable'))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: (('compositeState' NOT EQUAL 'Inoperable') AND ('compositeState' NOT EQUAL 'Underlying Resource Inoperable'))		
Remedial action: A physical port (physical interface, LAG, channel) associated with the network interface in not operation. Ensure that the interface is cabled and that there isn't a configuration error (i.e. MTU size set incorrectly) on the interface. Once the issue w		

(2 of 2)

Table 28-70 IsisDown

Alarm	Attributes	Applicable major NE releases
Name: IsisDown (19) Type: ProtocolAlarm (1) Package: isis Raised on class: isis.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 6.4.2 • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when an IS-IS site has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: The protocol is not working anymore, could be a problem with IP addresses, resources on the device, ...		

Table 28-71 LagDown

Alarm	Attributes	Applicable major NE releases
Name: LagDown (20) Type: equipmentAlarm (3) Package: lag Raised on class: lag.Interface	Severity: critical Implicitly cleared: true Default probable cause: lagDown (17)	<ul style="list-style-type: none"> • 6.4.2 • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when all ports in a LAG are operationally down.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
Clearing condition: (('operationalState' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: This alarm indicates that all physical Ethernet links associated with a LAG are operationally down. The reasons for the links to be down may vary from link to link. The following possible causes of this alarm should be investigated. The physical port (near end or far end may have failed - this can be remedied by replacing the interface card in question. The physical links may have been turned down administratively - re-enable the links. A cable failure or disconnect may have occurred - please ensure that the cables are properly connected to the physical port and and that the cable has not been damaged.		

Table 28-72 LagPortAddFailed

Alarm	Attributes	Applicable major NE releases
Name: LagPortAddFailed (422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: warning Implicitly cleared: true Default probable cause: linkDown (315)	<ul style="list-style-type: none"> • 6.4.2 • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the Lag Port Add function Fails.		
Raising condition: (('state' EQUAL 'Link Down') AND ('LAG ID' > '0'))		
Clearing condition: (('state' NOT EQUAL 'Link Down') OR ('LAG ID' EQUAL '0'))		
Remedial action: A configuration error has occurred which must be corrected. The link that was to be added to the LAG group may be of the wrong type (i.e. non ethernet) or the limit of the number of links supported in a LAG may have been reached.		

Table 28-73 LicensedLimitExceeded

Alarm	Attributes	Applicable major NE releases
Name: LicensedLimitExceeded (127) Type: licensingAlarm (23) Package: security Raised on class: security.ProductLicense	Severity: critical Implicitly cleared: true Default probable cause: licensedLimitExceeded (106)	<ul style="list-style-type: none"> • 6.4.2 • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the license items in the network exceeds 100 percent of the license capacity.		
Raising condition: ('Exceeded' EQUAL 'true')		
Clearing condition: ('Exceeded' NOT EQUAL 'true')		
Remedial action: Informational - The number of SAM licenses purchased and available on the SAM server is insufficient as compared to the number of NEs/MDA/Cells under management in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

Table 28-74 LinkDown

Alarm	Attributes	Applicable major NE releases
Name: LinkDown (12) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: portLinkProblem (10)	<ul style="list-style-type: none"> • 6.4.2 • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when a port has no associated physical link or remote end point is operationally down.		
Raising condition: (('compositeEquipmentState' EQUAL 'Link Down') OR ('compositeEquipmentState' EQUAL 'Oper Down'))		
Clearing condition: (('compositeEquipmentState' NOT EQUAL 'Link Down') AND ('compositeEquipmentState' NOT EQUAL 'Oper Down'))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: Please make sure that port has physical link and remote end point is operationally up.		

(2 of 2)

Table 28-75 LowTemperatureDetected

Alarm	Attributes	Applicable major NE releases
Name: LowTemperatureDetected (1127) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOvercooled (838)	<ul style="list-style-type: none"> • 6.4.2 • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the chassis temperature falls below the minimum threshold.		
Raising condition: ('Low Temperature State' EQUAL 'Low')		
Clearing condition: ('Low Temperature State' NOT EQUAL 'Low')		
Remedial action: The NE has detected internal temperatures which are abnormally low. This may happen when the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 28-76 LowTemperatureThresholdCrossed

Alarm	Attributes	Applicable major NE releases
Name: LowTemperatureThresholdCrossed (1128) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Environment	Severity: major Implicitly cleared: true Default probable cause: equipmentOvercooled (838)	<ul style="list-style-type: none"> • 6.4.2 • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when a low-temperature threshold is crossed.		
Raising condition: ('lowTemperatureThresholdCrossed' EQUAL 'true')		
Clearing condition: ('lowTemperatureThresholdCrossed' EQUAL 'false')		
Remedial action: The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 28-77 LpsViolation

Alarm	Attributes	Applicable major NE releases
Name: LpsViolation (518) Type: learnedPortSecurityAlarm (51) Package: lps Raised on class: lps.LearnedPortSecurity	Severity: major Implicitly cleared: true Default probable cause: learnedPortSecurityViolation (393)	<ul style="list-style-type: none"> • 6.4.2 • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the 5620 SAM detects an LPS violation.		
Raising condition: ('Operational State' EQUAL 'Security Violated')		
Clearing condition: ('Operational State' EQUAL 'Down')		
Remedial action: Port reset is required to return the port to normal operation.		

Table 28-78 macMoveRateExceeded (service)

Alarm	Attributes	Applicable major NE releases
Name: macMoveRateExceeded (3690) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: minor Implicitly cleared: true Default probable cause: MacMoveRateExceeded (1429)	<ul style="list-style-type: none"> • 6.4.2 • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site.		
Raising condition: ('State Cause'anyBit'Relearn Limit Exceeded')		
Clearing condition: NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		
Remedial action: Informational.		

Table 28-79 macMoveRateExceededNonBlock (service)

Alarm	Attributes	Applicable major NE releases
Name: macMoveRateExceededNonBlock (4893) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: info Implicitly cleared: true Default probable cause: MacMoveRateExceededNonBlock (1951)	<ul style="list-style-type: none"> • 6.4.2 • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site when limitMacMove(sapTIsLimitMacMove) is set to 'nonBlocking'.		
Raising condition: ('State Cause'anyBit'Relearn Limit Exceeded')		
Clearing condition: NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		
Remedial action: Informational - User can adjust the value of 'MAC Move Maximum Rate' to reduce the frequency of this alarm.		

Table 28-80 MepAISReceivedAlarm

Alarm	Attributes	Applicable major NE releases
Name: MepAISReceivedAlarm (2945) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: variable Implicitly cleared: true Default probable cause: missingRemoteMep (388)	<ul style="list-style-type: none"> • 6.4.2 • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when a MEP Receives AIS test frames from one or more of its sub-layer MEPs.		
Raising condition: (('AIS Received (AisRx)' EQUAL 'true') AND ('Facility VLAN ID' EQUAL '0'))		
Clearing condition: ('AIS Received (AisRx)' EQUAL 'false')		
Remedial action: This alarm indicates that it has received a MEP fault from a sub-layer MEP, user should investigate the fault cause on the sub-layer MEP and resolve this root cause issue.		

Table 28-81 MobileConnectorDown

Alarm	Attributes	Applicable major NE releases
Name: MobileConnectorDown (1064) Type: EpcAlarm (59) Package: Iteservice Raised on class: Iteservice.MobileServiceConnector	Severity: minor Implicitly cleared: true Default probable cause: EpcDown (519)	<ul style="list-style-type: none"> • 6.4.2 • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the 5620 SAM no longer manages the EPS path instance of this mobile service site. As a result, the service must be regenerated.		
Raising condition: ('EPS Path' EQUAL '\')		
Clearing condition: ('EPS Path' NOT EQUAL '\')		
Remedial action: The underlying transport network has gone down resulting in the deletion of a mobile service connector (EPS path). Correct the issue with the transport network and regenerate the mobile service connector by clicking on the re-calculate button on the mobile service properties form.		

Table 28-82 MvrSiteDown

Alarm	Attributes	Applicable major NE releases
Name: MvrSiteDown (162) Type: ProtocolAlarm (1) Package: layer2 Raised on class: layer2.MvrSite	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 6.4.2 • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when MVR is disabled on an NE and a TLS VLAN or MVR VLAN service is provisioned on the NE.		
Raising condition: ('MVR Admin Status' EQUAL 'Disabled')		
Clearing condition: ('MVR Admin Status' EQUAL 'Enabled')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: To clear the alarm, enable MVR Admin Status under the Bridge Instance.		

(2 of 2)

Table 28-83 NeighborDown

Alarm	Attributes	Applicable major NE releases
Name: NeighborDown (121) Type: NeighborDown (20) Package: ospf Raised on class: ospf.AbstractNeighbor	Severity: major Implicitly cleared: true Default probable cause: NeighborDown (103)	<ul style="list-style-type: none"> • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when an OSPF interface neighbor is operationally Down.		
Raising condition: ('Operational State' NOT EQUAL 'full')		
Clearing condition: ('Operational State' EQUAL 'full')		
Remedial action: This alarm is raised when the OSPF interface neighbor is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 28-84 NeManagementAndTrapManagementMismatch

Alarm	Attributes	Applicable major NE releases
Name: NeManagementAndTrapManagementMismatch (1079) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: neManagementChange (817)	<ul style="list-style-type: none"> • 6.4.2 • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: This user-defined alarm is raised when the NE configuration is one of the following: - The Active Management IP is set to Out Of Band, and the Primary Route Preference is set to In Band. - The Active Management IP is set to In Band, and the Primary Route Preference is set to Out of Band.		
Raising condition: (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only')) AND ('Primary Route Preference' EQUAL 'Out Of Band')) AND ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only')) AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'Out Of Band')))		
Clearing condition: (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only')) AND ('Primary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only')) AND ('Primary Route Preference' EQUAL 'Out Of Band')))		
Remedial action: A configuration error has been made which must be corrected. The parameters described in the description for this alarm must match.		

Table 28-85 NewSsh2ServerKeyDetected

Alarm	Attributes	Applicable major NE releases
Name: NewSsh2ServerKeyDetected (285) Type: communicationsAlarm (4) Package: security Raised on class: security.KnownHostKey	Severity: warning Implicitly cleared: true Default probable cause: ssh2ServerKeyMismatch (217)	<ul style="list-style-type: none"> • 6.4.2 • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when a 5620 SAM main server detects a new public SSH key.		
Raising condition: ('SSH2 Server Key Status' EQUAL 'Mismatch SSH2 Host Key')		
Clearing condition: ('SSH2 Server Key Status' EQUAL 'Active SSH2 Host Key')		
Remedial action: Informational - possible security breach. The SSH key of the router is different from the one known to the SAM server.		

Table 28-86 NodeDatabaseFallbackDetected

Alarm	Attributes	Applicable major NE releases
Name: NodeDatabaseFallbackDetected (2923) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseFallback (1121)	<ul style="list-style-type: none"> • 6.4.2 • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when a configuration fallback is detected on the node and comes back up with a previous configuration. To correct this situation it might be necessary to reconfigure the node, or perform full resync its database with the 'fallback' configuration returned by the node.		
Raising condition: ('State' EQUAL 'Node Configuration Fallback')		
Clearing condition: ('State' EQUAL 'Managed')		
Remedial action: the NE has come back to a previous configuration. Perform a manual Full Resync or a Reconfigure of the NE		

Table 28-87 NodeDatabaseMisalignmentDetected

Alarm	Attributes	Applicable major NE releases
Name: NodeDatabaseMisalignmentDetected (2924) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseMisalignment (1122)	<ul style="list-style-type: none"> • 6.4.2 • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when a configuration misalignment has been detected on the node and comes back up with an unexpected configuration (configuration change triggered by external tool) To correct this situation it might be necessary to reconfigure the node with the 5620 SAM's old configuration or accept the new configuration received from the node.		
Raising condition: ('State' EQUAL 'Node Configuration Misalignment')		

(1 of 2)

28 – Alcatel-Lucent OS6850/6850E alarms

Alarm	Attributes	Applicable major NE releases
Clearing condition: ('State' EQUAL 'Managed')		
Remedial action: the NE configuration is misaligned. Perform a resync in order to update SAM configuration according to the NE.		

(2 of 2)

Table 28-88 NodeSuspended

Alarm	Attributes	Applicable major NE releases
Name: NodeSuspended (5123) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: NodeSuspend (2057)	<ul style="list-style-type: none"> • 6.4.2 • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the 5620 SAM detects an NE moved to suspend state as per user request.		
Raising condition: ('SNMP Reachability' EQUAL 'Suspended')		
Clearing condition: ('SNMP Reachability' NOT EQUAL 'Suspended')		
Remedial action: This alarm is raised when user suspends the network element. The alarm will be cleared when the network element is managed back.		

Table 28-89 OrphanNodeDetected

Alarm	Attributes	Applicable major NE releases
Name: OrphanNodeDetected (4866) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.AdvertisedNode	Severity: major Implicitly cleared: true Default probable cause: nodeNotManagedByAnyEms (1934)	<ul style="list-style-type: none"> • 6.4.2 • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when node is not managed by any EMS after n retries (threshold crossed) it is manually cleared by the operator or when the node is discovered.		
Raising condition: ('state' EQUAL 'orphan')		
Remedial action: The NE is not managed by any SAM. Add a discovery rule in order to manage it.		

Table 28-90 OspfInterfaceDown

Alarm	Attributes	Applicable major NE releases
Name: OspfInterfaceDown (141) Type: OspfInterfaceDown (24) Package: ospf Raised on class: ospf.Interface	Severity: warning Implicitly cleared: true Default probable cause: OspfInterfaceDown (112)	<ul style="list-style-type: none"> • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when an OSPF interface is operationally down.		
Raising condition: ('operationalState' EQUAL 'Down')		
Clearing condition: ('operationalState' NOT EQUAL 'Down')		
Remedial action: This alarm is raised when the OSPF interface is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 28-91 OverTemperatureDetected

Alarm	Attributes	Applicable major NE releases
Name: OverTemperatureDetected (388) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> • 6.4.2 • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the chassis temperature exceeds the maximum threshold value.		
Raising condition: ('Over Temperature State' EQUAL 'Over')		
Clearing condition: ('Over Temperature State' NOT EQUAL 'Over')		
Remedial action: The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 28-92 PartialResyncProblem

Alarm	Attributes	Applicable major NE releases
Name: PartialResyncProblem (4401) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: partialResyncProblem (1578)	<ul style="list-style-type: none"> • 6.4.2 • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when an Partial Resync on an NE fails. For example, when resyncing only some MIB entries as opposed to a full resync. The periodic reachability test (sysUpTime) is not considered a partial resync, neither is a full resync. However, a PartialResyncProblem alarm can only be reset by a FullResync.		

(1 of 2)

28 – Alcatel-Lucent OS6850/6850E alarms

Alarm	Attributes	Applicable major NE releases
Raising condition: ('partialResyncStatus' EQUAL 'Partial Resync Failed')		
Clearing condition: ('partialResyncStatus' EQUAL 'Partial Resync Done')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE.		

(2 of 2)

Table 28-93 PersistentIndexParametersMisconfigured

Alarm	Attributes	Applicable major NE releases
Name: PersistentIndexParametersMisconfigured (173) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: persistentIndexConfigurationMismatch (136)	<ul style="list-style-type: none"> • 6.4.2 • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when persistence is set to Off in the NE BOF.		
Raising condition: (('Persistent SNMP Indices' EQUAL 'False') OR (('hasRedundantProcessorCards' EQUAL 'true') AND ('Redundant Synchronization Mode' EQUAL 'None')))		
Clearing condition: (('Persistent SNMP Indices' EQUAL 'True') AND (('hasRedundantProcessorCards' EQUAL 'false') OR ('Redundant Synchronization Mode' NOT EQUAL 'None')))		
Remedial action: A configuration error has occurred that must be corrected. Use the CLI on the NE to enable persistency in the BOF. The discovery process will complete on the next discovery scan. A re-scan can be triggered immediately for the NE from within the discovery manager		

Table 28-94 PimDown

Alarm	Attributes	Applicable major NE releases
Name: PimDown (184) Type: ProtocolAlarm (1) Package: pim Raised on class: pim.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 6.4.2 • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when a PIM site is administratively Up but operationally Down. The alarm is cleared when the PIM site becomes operationally Up but administratively Down.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: This should never happen. Contact Alcatel-Lucent Customer Support for assistance.		

Table 28-95 PollerProblem

Alarm	Attributes	Applicable major NE releases
Name: PollerProblem (31) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: resyncFailed (24)	<ul style="list-style-type: none"> • 6.4.2 • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
Raising condition: ('Resync Status' EQUAL 'Full Resync Failed')		
Clearing condition: ('Resync Status' EQUAL 'Full Resync Done')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 28-96 PowerSupplyFailure

Alarm	Attributes	Applicable major NE releases
Name: PowerSupplyFailure (633) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: critical Implicitly cleared: true Default probable cause: powerSupplyFailure (117)	<ul style="list-style-type: none"> • 6.4.2 • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when a power-supply tray reports a failure. When the alarm is raised during device discovery, a power-supply tray may be out of service. When the alarm is raised while the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
Raising condition: (('Power Supply 1 Status' EQUAL 'Not Equipped') OR ('Power Supply 1 Status' EQUAL 'Failed'))		
Clearing condition: (('Power Supply 1 Status' EQUAL 'OK'))		
Remedial action: Ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 28-97 PowerSupplyInputFeedDown

Alarm	Attributes	Applicable major NE releases
Name: PowerSupplyInputFeedDown (5422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: minor Implicitly cleared: true Default probable cause: powerSupplyInputFeedDown (2073)	<ul style="list-style-type: none"> • 6.4.2 • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: This alarm is generated if any one of the input feeds for a given power supply is not supplying power.		

(1 of 2)

28 – Alcatel-Lucent OS6850/6850E alarms

Alarm	Attributes	Applicable major NE releases
Raising condition: (('Input Feed Status' EQUAL 'Input A Down') OR ('Input Feed Status' EQUAL 'Input B Down') OR (('Input Feed Status'allBits'Input A Down') AND ('Input Feed Status'allBits'Input B Down'))		
Clearing condition: ('Input Feed Status' EQUAL 'None')		
Remedial action: Restore all of the input feeds that are not supplying power.		

(2 of 2)

Table 28-98 PowerSupplyRemoved

Alarm	Attributes	Applicable major NE releases
Name: PowerSupplyRemoved (542) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: major Implicitly cleared: true Default probable cause: PowerSupplyRemoved (415)	<ul style="list-style-type: none"> • 6.4.2 • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when a chassis power supply is removed.		
Raising condition: ('Power Supply 1 Status' EQUAL 'Not Equipped')		
Clearing condition: ('Power Supply 1 Status' NOT EQUAL 'Not Equipped')		
Remedial action: To recover from this event, the customer is requested to add a new power supply to the system, or change a faulty power supply with a working one.		

Table 28-99 PrimaryImageBootFailure

Alarm	Attributes	Applicable major NE releases
Name: PrimaryImageBootFailure (191) Type: configurationAlarm (11) Package: sw Raised on class: sw.CardSoftware	Severity: warning Implicitly cleared: true Default probable cause: bootOptionFileMisconfigured (150)	<ul style="list-style-type: none"> • 6.4.2 • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the primary software image specified in an NE BOF is unusable.		
Raising condition: (('imageSource' NOT EQUAL 'Primary') AND ('imageSource' NOT EQUAL 'Unknown'))		
Clearing condition: (('imageSource' EQUAL 'Primary') OR ('imageSource' EQUAL 'Unknown'))		
Remedial action: The SW image on the NE may have been inadvertently corrupted. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

Table 28-100 RadiusOperStatusDown

Alarm	Attributes	Applicable major NE releases
Name: RadiusOperStatusDown (3692) Type: radiusOperStatusDownAlarm (105) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: radiusOperationStatusDown (1431)	<ul style="list-style-type: none"> • 6.4.2 • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when all RADIUS servers have gone down.		
Raising condition: ('Global RADIUS Operational State' EQUAL 'Down')		
Clearing condition: ('Global RADIUS Operational State' EQUAL 'Up')		
Remedial action: Verify the RADIUS server is properly configured and radius server state is up. Check the connectivity between SAM server and radius server configured on the Network element.		

Table 28-101 ReachabilityProblem

Alarm	Attributes	Applicable major NE releases
Name: ReachabilityProblem (243) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ReachabilityTestFailed (176)	<ul style="list-style-type: none"> • 6.4.2 • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when an Mediation poll of the SysUpTimeAlarm object on an NE fails, for example, because of network congestion or because the NE is too busy to respond. The probable cause is an unreachable NE Mediation agent on the NE. By default, the 5620 SAM polls a managed NE every two minutes. If a poll fails, the alarm is raised. The 5620 SAM polls the NE two minutes after the first failure. If successive polls fail, the 5620 SAM raises the polling interval for the NE by two minutes after each failure to a maximum of 12 min. The polling interval remains at 12 min until the 5620 SAM receives a response from the NE. The alarm clears when the 5620 SAM receives a response from the NE, and the 5620 SAM GUI icon that represents the NE turns from red to green.		
Raising condition: ('SNMP Reachability' EQUAL 'Down')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 28-102 ReconfigFailure

Alarm	Attributes	Applicable major NE releases
Name: ReconfigFailure (1949) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: failedReconfig (937)	<ul style="list-style-type: none"> • 6.4.2 • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: This alarm is raised when the reconfig action failed.		

(1 of 2)

28 – Alcatel-Lucent OS6850/6850E alarms

Alarm	Attributes	Applicable major NE releases
Raising condition: ('State' EQUAL 'Failed')		
Clearing condition: ('State' NOT EQUAL 'Failed')		
Remedial action: Verify that the object is configured as expected.		

(2 of 2)

Table 28-103 RedundantMepMisconfiguration

Alarm	Attributes	Applicable major NE releases
Name: RedundantMepMisconfiguration (3631) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: minor Implicitly cleared: true Default probable cause: misconfiguredRedundantMep (1416)	<ul style="list-style-type: none"> • 6.4.2 • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when an Active and Redundant MEP do not have the same Id, Operational MAC Address or Sub Group configured.		
Raising condition: ('validRedundantMepConfig' EQUAL 'false')		
Clearing condition: ('validRedundantMepConfig' EQUAL 'true')		
Remedial action: MC-LAG redundant MEP configuration (MEP ID or Mac Address) for Active & Standby Interfaces do not match, this could cause issues with CFM or CCM tests if Active interface changes. Delete and Re-create Standby MEP to match Active.		

Table 28-104 RedundantMepMissing

Alarm	Attributes	Applicable major NE releases
Name: RedundantMepMissing (3632) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: minor Implicitly cleared: true Default probable cause: missingRedundantMep (1417)	<ul style="list-style-type: none"> • 6.4.2 • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when a MEP misses a redundant counterpart on LAG or SAP.		
Raising condition: (('MC-LAG Inactive' NOT EQUAL 'Not Applicable') AND ('Redundant MEP' EQUAL '\'))		
Clearing condition: (('MC-LAG Inactive' EQUAL 'Not Applicable') OR (('MC-LAG Inactive' NOT EQUAL 'Not Applicable') AND ('Redundant MEP' NOT EQUAL '\')))		
Remedial action: MC-LAG redundant MEP is missing Active & Standby Interfaces, this will cause issues with CFM or CCM tests if Active interface changes. Create missing Active/Standby MEP to match existing.		

Table 28-105 RemoteMepCCMAAlarm

Alarm	Attributes	Applicable major NE releases
Name: RemoteMepCCMAAlarm (502) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: major Implicitly cleared: true Default probable cause: missingRemoteMep (388)	<ul style="list-style-type: none"> • 6.4.2 • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when a MEP loses connectivity with one or more remote MEPs. The Remote MEP DB State tab on a MEP lists the missing remote MEPs.		
Raising condition: ('High-Priority Defect' NOT EQUAL '0')		
Clearing condition: ('High-Priority Defect' EQUAL '0')		
Remedial action: MEP has lost communication with Remote MEP defined in Maintenance Association (MEG) Remote MEP list, Either Remote MEP list is incorrect or diagnose connection fault and resolve.		

Table 28-106 RipDown

Alarm	Attributes	Applicable major NE releases
Name: RipDown (72) Type: ProtocolAlarm (1) Package: rip Raised on class: rip.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 6.4.2 • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when a RIP site has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: The RIP Site is down while it is administratively up. Please check the node e.g, IOM is not shutdown or installed.		

Table 28-107 SaveConfigFailed

Alarm	Attributes	Applicable major NE releases
Name: SaveConfigFailed (105) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileAccessError (90)	<ul style="list-style-type: none"> • 6.4.2 • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the admin save command on an NE fails.		
Raising condition: ('Config Save State' EQUAL 'Failure')		
Clearing condition: ('Config Save State' EQUAL 'Success')		

(1 of 2)

28 – Alcatel-Lucent OS6850/6850E alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: Attempt the admin save command a second time. If the problem persists please contact Alcatel-Lucent support for assistance.		

(2 of 2)

Table 28-108 ScheduledPollerProblem

Alarm	Attributes	Applicable major NE releases
Name: ScheduledPollerProblem (4386) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: scheduledResyncFailed (1569)	<ul style="list-style-type: none"> • 6.4.2 • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
Raising condition: ('Scheduled Resync Status' EQUAL 'Scheduled Resync Failed')		
Clearing condition: ('Scheduled Resync Status' EQUAL 'Scheduled Resync Done')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 28-109 ServiceSiteDown

Alarm	Attributes	Applicable major NE releases
Name: ServiceSiteDown (97) Type: serviceAlarm (16) Package: service Raised on class: service.Site	Severity: critical Implicitly cleared: true Default probable cause: siteDown (83)	<ul style="list-style-type: none"> • 6.4.2 • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when all SAPs on a site are operationally down, or when the service tunnels for the site are operationally down.		
Raising condition: (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'All Spoke SDP Bindings are Standby'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'All Spoke SDP Bindings are Standby'))		
Remedial action: The network resources (i.e. physical ports for SAPs, or physical ports/LSP) associated with the service site should be examined to determine if/why they are operationally down. The underlying transport network supporting the site may also be unreliable.		

Table 28-110 SiteManagementVlanConflict

Alarm	Attributes	Applicable major NE releases
Name: SiteManagementVlanConflict (223) Type: configurationAlarm (11) Package: vlan Raised on class: vlan.Site	Severity: warning Implicitly cleared: true Default probable cause: topologyMisconfigured (81)	<ul style="list-style-type: none"> • 6.4.2 • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the management VLAN ID is used for another type of service.		
Raising condition: ('managementVlanConflict' EQUAL 'true')		
Clearing condition: ('managementVlanConflict' EQUAL 'false')		
Remedial action: Ensure that the VLAN ID of this Management Service Site is not used on any other type of VLAN Service Site.		

Table 28-111 SiteVlanSubTypeConflict

Alarm	Attributes	Applicable major NE releases
Name: SiteVlanSubTypeConflict (224) Type: configurationAlarm (11) Package: vlan Raised on class: vlan.Site	Severity: major Implicitly cleared: true Default probable cause: topologyMisconfigured (81)	<ul style="list-style-type: none"> • 6.4.2 • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when more than one type of VLAN service has the same VLAN ID. The alarm is raised against a site.		
Raising condition: ('vlanSubTypeConflict' EQUAL 'true')		
Clearing condition: ('vlanSubTypeConflict' EQUAL 'false')		
Remedial action: Ensure that only one type of VLAN Service is configured with the VLAN ID used by this Site.		

Table 28-112 StatsRetrieveFailed

Alarm	Attributes	Applicable major NE releases
Name: StatsRetrieveFailed (244) Type: configurationAlarm (11) Package: sw Raised on class: sw.AccountingStatsRetrievalManager	Severity: major Implicitly cleared: false Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> • 6.4.2 • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the 5620 SAM main or auxiliary server cannot transfer an accounting file from an NE.		
Raising condition: (('Stats Retrieval State' NOT EQUAL 'Success') AND ('Stats Retrieval State' NOT EQUAL 'Not Attempted'))		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy or otherwise cannot respond to the 5620 SAM main or auxiliary server.		

Table 28-113 SubscriberSystemNextHopUsageHigh

Alarm	Attributes	Applicable major NE releases
Name: SubscriberSystemNextHopUsageHigh (5157) Type: thresholdCrossed (6) Package: netw Raised on class: netw.NetworkElement	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> • 6.4.2 • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit.		
Raising condition: ('IP Next Hop Usage High' EQUAL 'true')		
Clearing condition: ('IP Next Hop Usage High' EQUAL 'false')		
Remedial action: The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit. There is no immediate effect, but when the usage actually hits the limit, new hosts will not get their managed routes.		

Table 28-114 TemperatureThresholdCrossed

Alarm	Attributes	Applicable major NE releases
Name: TemperatureThresholdCrossed (7) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Environment	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> • 6.4.2 • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when a temperature crosses a threshold.		
Raising condition: ('temperatureThresholdCrossed' EQUAL 'true')		
Clearing condition: ('temperatureThresholdCrossed' EQUAL 'false')		
Remedial action: The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 28-115 TlsSiteDown

Alarm	Attributes	Applicable major NE releases
Name: TlsSiteDown (163) Type: ProtocolAlarm (1) Package: layer2 Raised on class: layer2.TlsSite	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 6.4.2 • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when MVR is disabled on an NE and a TLS VLAN or MVR VLAN service is provisioned on the NE.		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Raising condition: ('TLS Admin Status' EQUAL 'Disabled')		
Clearing condition: ('TLS Admin Status' EQUAL 'Enabled')		
Remedial action: To clear the alarm, enable TLS Admin Status under the Bridge Instance.		

(2 of 2)

Table 28-116 TmnxEqPortEtherLoopDetected

Alarm	Attributes	Applicable major NE releases
Name: TmnxEqPortEtherLoopDetected (461) Type: portEtherLoopDetected (48) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> • 6.4.2 • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when a device detects a physical loop on an Ethernet port.		
Raising condition: (('Down When Looped Status' EQUAL 'Loop Detected'))		
Clearing condition: (('Down When Looped Status' EQUAL 'No Loop Detected'))		
Remedial action: An Ethernet port has been mis-cabled - please remove the loopback cable on the port.		

Table 28-117 TrapDestinationMisconfigured

Alarm	Attributes	Applicable major NE releases
Name: TrapDestinationMisconfigured (33) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: trapDestinationMisconfigured (26) Applicable probable causes: <ul style="list-style-type: none"> • trapDestinationMisconfigured • duplicateTrapLogId 	<ul style="list-style-type: none"> • 6.4.2 • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the 5620 SAM cannot be added to the NE's SNMP trap destinations.		
Raising condition: ('isTrapDestinationMisconfigured' EQUAL 'true')		
Clearing condition: ('isTrapDestinationMisconfigured' EQUAL 'false')		
Remedial action: A configuration error has been made which must be corrected. The SNMP trap destination on the NE must be configured to the IP address of the SAM server.		

Table 28-118 TrapReceivingFailure

Alarm	Attributes	Applicable major NE releases
Name: TrapReceivingFailure (1083) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: false Default probable cause: trapsWillNotBeSent (822)	<ul style="list-style-type: none"> • 6.4.2 • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: This user-defined alarm is raised when the NE is unable to send traps because the NE configuration is one of the following: - The Management IP Selection is set to Out Of Band Only, the Primary Route Preference is set to In Band, and the Secondary Route Preference is set to None. - The Management IP Selection is set to In Band Only, the Primary Route Preference is set to Out Of Band, and the Secondary Route Preference is set to None.		
Raising condition: (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
Clearing condition: (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND ('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND ('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band'))))		
Remedial action: A configuration error has been made which must be corrected. The configuration error must be corrected per the discussion in the description for this alarm.		

Table 28-119 TrapRoutePreferenceRedundancyMissing

Alarm	Attributes	Applicable major NE releases
Name: TrapRoutePreferenceRedundancyMissing (1084) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: trapsRedundancyMissing (823)	<ul style="list-style-type: none"> • 6.4.2 • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The user-defined alarm is raised when NE management redundancy is configured without trap route preference redundancy.		
Raising condition: (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
Clearing condition: (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Secondary Route Preference' NOT EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Secondary Route Preference' NOT EQUAL 'None'))))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: A configuration error has been made which must be corrected. The IP address of the standby SAM server must be configured on the NE in question.		

(2 of 2)

Table 28-120 UnidentifiedNode

Alarm	Attributes	Applicable major NE releases
Name: UnidentifiedNode (1922) Type: communicationsAlarm (4) Package: netw Raised on class: netw.DiscoveredNode	Severity: major Implicitly cleared: true Default probable cause: unidentifiedNode (922)	<ul style="list-style-type: none"> • 6.4.2 • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the node being discovered can not be properly identified.		
Raising condition: ('State' EQUAL 'Pending Identification')		
Clearing condition: ('State' NOT EQUAL 'Pending Identification')		
Remedial action: A configuration error has occurred that must be corrected. The eNodeB does not have a system name. The name can be configured by selecting the alarm, opening the associated properties form for the alarmed object and configuring the system name.		

Table 28-121 UnmanageFailed

Alarm	Attributes	Applicable major NE releases
Name: UnmanageFailed (300) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.NodeDiscoveryControl	Severity: warning Implicitly cleared: true Default probable cause: unableToDeleteNode (231)	<ul style="list-style-type: none"> • 6.4.2 • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when an attempt to unmanage an NE fails.		
Raising condition: ('Site State' EQUAL 'unmanage failed')		
Clearing condition: ('Site State' NOT EQUAL 'unmanage failed')		
Remedial action: Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 28-122 unsupportedPortUsage

Alarm	Attributes	Applicable major NE releases
Name: unsupportedPortUsage (5184) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: warning Implicitly cleared: true Default probable cause: incompatiblePortUsage (2100)	<ul style="list-style-type: none"> • 6.4.2 • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised in case unsupported port type is configured		
Raising condition: ((('portId' >= '1L') AND ('portId' <= '4L') AND ('specificCardType' EQUAL 'EASv2') AND (('Port Usage' EQUAL 'MPT-HC') OR ('Port Usage' EQUAL 'MPT-MC'))))"		
Clearing condition: NOT (((('portId' >= '1L') AND ('portId' <= '4L') AND ('specificCardType' EQUAL 'EASv2') AND (('Port Usage' EQUAL 'MPT-HC') OR ('Port Usage' EQUAL 'MPT-MC')))))"		
Remedial action: This alarm indicates unsupported port usage. Port usage configured on the NE is not supported by SAM.		

Table 28-123 UpgradedBuildVersionMismatch

Alarm	Attributes	Applicable major NE releases
Name: UpgradedBuildVersionMismatch (174) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: upgradedImageNotBooted (137)	<ul style="list-style-type: none"> • 6.4.2 • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the software version that an NE reports after a software upgrade does not match the version of the software used for the upgrade.		
Raising condition: ('upgradedBuildVersionMismatch' EQUAL 'true')		
Clearing condition: ('upgradedBuildVersionMismatch' EQUAL 'false')		
Remedial action: Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 28-124 upgradedCardAlarm

Alarm	Attributes	Applicable major NE releases
Name: upgradedCardAlarm (255) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: upgradedCard (194)	<ul style="list-style-type: none"> • 6.4.2 • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the standby CPM is rebooted and operational after a software upgrade. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
Raising condition: ('operationalState' EQUAL 'Upgrade')		
Clearing condition: ('operationalState' EQUAL 'Up')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: Informational - no corrective action required.		

(2 of 2)

Table 28-125 VersionConfigRestoreFailed

Alarm	Attributes	Applicable major NE releases
Name: VersionConfigRestoreFailed (536) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: versionMismatch (405)	<ul style="list-style-type: none"> • 6.4.2 • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the restore procedure on an NE fails because of a mismatch between the backup file set version and the NE software version.		
Raising condition: ('lastNmsVersionRestoreState' EQUAL 'Failure')		
Clearing condition: ('lastNmsVersionRestoreState' EQUAL 'Success')		
Remedial action: The backup files being restored do not match with the version of node software release. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

Table 28-126 VirtualLinkDown

Alarm	Attributes	Applicable major NE releases
Name: VirtualLinkDown (122) Type: VirtualLinkAlarm (21) Package: ospf Raised on class: ospf.VirtualLink	Severity: warning Implicitly cleared: true Default probable cause: VirtualLinkDown (104)	<ul style="list-style-type: none"> • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when a virtual link is Down.		
Raising condition: ('Operational State' EQUAL 'Down')		
Clearing condition: ('Operational State' NOT EQUAL 'Down')		
Remedial action: This alarm is raised when the OSPF virtual link is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 28-127 VirtualNeighborDown

Alarm	Attributes	Applicable major NE releases
Name: VirtualNeighborDown (123) Type: VirtualNeighborDown (22) Package: ospf Raised on classes: <ul style="list-style-type: none"> ospf.ShamLink ospf.VirtualLink 	Severity: warning Implicitly cleared: true Default probable cause: VirtualNeighborDown (105)	<ul style="list-style-type: none"> 6.4.4 6.4.5 6.4.6
Description: The alarm is raised when a neighbor virtual link is operationally down.		
Raising condition: ('neighborCount' EQUAL '0L')		
Clearing condition: ('neighborCount' NOT EQUAL '0L')		
Remedial action: This alarm is raised when the OSPF neighbor virtual link is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 28-128 WrongCpaaSoftwareVersion

Alarm	Attributes	Applicable major NE releases
Name: WrongCpaaSoftwareVersion (791) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: wrongCpaaSoftwareVersion (559)	<ul style="list-style-type: none"> 6.4.2 6.4.3 6.4.4 6.4.5 6.4.6
Description: The alarm is raised when the 7701 CPAA software is the wrong version and requires an upgrade.		
Raising condition: (('Software Version' EQUAL '"TiMOS-B-3.0.Generic "') AND ('Chassis Type' EQUAL '7701 CPAA'))		
Clearing condition: (('Software Version' NOT EQUAL '"TiMOS-B-3.0.Generic "') AND ('Chassis Type' EQUAL '7701 CPAA'))		
Remedial action: The SW version of the CPAA must be upgraded to the version compatible with CPAM version.		

29 — Alcatel-Lucent OS6855 alarms



Note — Some alarms that the 5620 SAM can raise against this device may not be listed in this chapter. Associating alarms with specific NE types is an ongoing Alcatel-Lucent effort. If the 5620 SAM raises an alarm against this device type, and the alarm is not described in this chapter, see chapter 35 for information about the alarm.

Table 29-1 AccessInterfaceDown

Alarm	Attributes	Applicable major NE releases
Name: AccessInterfaceDown (249) Type: AccessInterfaceAlarm (32) Package: service Raised on class: service.AccessInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when an L2 or L3 interface operational state is Down. The alarm is not raised against an L2 access interface that is associated with an MC ring or MC LAG in the standby state.		
Raising condition: (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'Standby For MC-Ring') AND ('State Cause' NOT EQUAL 'Standby For MC-Lag') AND ('State Cause' NOT EQUAL 'Standby For BGP Multi-homing'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'Standby For MC-Ring') OR ('State Cause' EQUAL 'Standby For MC-Lag') OR ('State Cause' EQUAL 'Standby For BGP Multi-homing'))		
Remedial action: The condition exists because the physical interface is down either because it is administratively disabled, faulty or a cabling fault has occurred. Ensure that the interface is administratively up. Check for a poor cable connection to the port or for a faulty cable/fiber. If neither appears to be the problem run diagnostics on the port to determine if it is faulty.		

Table 29-2 ActiveAbnormalCondition

Alarm	Attributes	Applicable major NE releases
Name: ActiveAbnormalCondition (3938) Type: activeAbnormalConditionAlarm (116) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ActiveAbnormalConditionState (1520)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is an indication for abnormal condition on NE.		
Raising condition: ('abnormalCondition' EQUAL 'true')		
Clearing condition: ('abnormalCondition' EQUAL 'false')		
Remedial action: This alarm is raised when there is a abnormal state indication on NE.		

Table 29-3 AGWDiameterPeerDown

Alarm	Attributes	Applicable major NE releases
Name: AGWDiameterPeerDown (844) Type: EpcAlarm (59) Package: lte Raised on class: lte.AGWDiameterPeer	Severity: variable Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the path management state of a Diameter peer changes to a state other than Up.		
Raising condition: ('Path Diameter Management State' NOT EQUAL 'Active')		
Clearing condition: ('Path Diameter Management State' EQUAL 'Active')		
Remedial action: A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

Table 29-4 AreaTypeMismatch

Alarm	Attributes	Applicable major NE releases
Name: AreaTypeMismatch (38) Type: configurationAlarm (11) Package: ospf Raised on class: ospf.Area	Severity: warning Implicitly cleared: true Default probable cause: areaTypeMisconfigured (34)	<ul style="list-style-type: none"> • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when an OSPF area on one NE is configured as an NSSA and the same OSPF area on another NE is configured as a stub area.		
Raising condition: ('Type Mismatch' EQUAL 'true')		
Clearing condition: ('Type Mismatch' EQUAL 'false')		
Remedial action: A configuration error has been made which must be corrected. The OSPF area type configured for the NE does not match with the same OSPF area configured on another NE. Compare the configuration on the endpoint and correct the mismatch.		

Table 29-5 AuxiliaryServerStatus

Alarm	Attributes	Applicable major NE releases
Name: AuxiliaryServerStatus (311) Type: communicationsAlarm (4) Package: server Raised on class: server.AuxiliaryServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when a 5620 SAM main server cannot communicate with an auxiliary server. The alarm clears when communication is restored.		
Raising condition: ('Server Status' EQUAL 'Down')		
Clearing condition: ('Server Status' EQUAL 'Up')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the AUX and SAM servers is unreliable.		

Table 29-6 BgpDown

Alarm	Attributes	Applicable major NE releases
Name: BgpDown (6) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when a BGP instance has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: The BGP protocol entity is down - administratively disable BGP and re-enable. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 29-7 BootableConfigBackupFailed

Alarm	Attributes	Applicable major NE releases
Name: BootableConfigBackupFailed (103) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the 5620 SAM fails to back up a set of NE configuration files.		
Raising condition: ('Backup State' EQUAL 'Failure')		
Clearing condition: ('Backup State' EQUAL 'Success')		

(1 of 2)

29 – Alcatel-Lucent OS6855 alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: Investigation is required to resolve the following possible scenarios: insufficient disk space is available to accommodate the NE configuration files (additional SAM platform alarms will accompany this alarm); the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

(2 of 2)

Table 29-8 BootableConfigRestoreFailed

Alarm	Attributes	Applicable major NE releases
Name: BootableConfigRestoreFailed (104) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the 5620 SAM fails to restore a set of NE configuration files.		
Raising condition: ('Restore State' EQUAL 'Failure')		
Clearing condition: ('Restore State' EQUAL 'Success')		
Remedial action: Investigation is required to resolve the following possible scenarios: the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

Table 29-9 BootParametersMisconfigured

Alarm	Attributes	Applicable major NE releases
Name: BootParametersMisconfigured (35) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: persistentIndexFailure (30) Applicable probable causes: <ul style="list-style-type: none"> • persistentIndexFailure • configFileBootFailure 	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the SNMP Index Boot Status on an NE is not set to Persistent.		
Raising condition: (('isGenericNode' EQUAL 'false') AND ('State' NOT EQUAL 'Pre-provisioned') AND (('Config File Status' NOT EQUAL 'Executed Successfully') OR ('Persistent Index Status' NOT EQUAL 'Rebuild Succeeded')))		
Clearing condition: (('Config File Status' EQUAL 'Executed Successfully') AND ('Persistent Index Status' EQUAL 'Rebuild Succeeded'))		
Remedial action: Ensure that "SNMP Index Boot Status" is persistent (using cli command "show system information" on the NE). If not, unmanage the network element from SAM, ensure that "persist on" is set in the bof file, save the bof, save a config file, verify that an index file (.ndx) is saved as well, reboot the router, verify that SNMP Index Boot Status is persistent and finally remanage the router from SAM.		

Table 29-10 ClientDelegateServerStatus

Alarm	Attributes	Applicable major NE releases
Name: ClientDelegateServerStatus (731) Type: communicationsAlarm (4) Package: server Raised on class: server.ClientDelegateServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when a client delegate server is unreachable.		
Raising condition: ('Server Status' EQUAL 'Down')		
Clearing condition: ('Server Status' EQUAL 'Up')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the client delegate platform and SAM servers is unreliable or the client delegate server itself is unreliable.		

Table 29-11 ContainingEquipmentAdministrativelyDown

Alarm	Attributes	Applicable major NE releases
Name: ContainingEquipmentAdministrativelyDown (466) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: minor Implicitly cleared: true Default probable cause: containingEquipmentAdministrativelyDown (330)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentAdministrativelyDown.		
Raising condition: (('Status' EQUAL 'Parent Admin Down') AND ('isTerminatable' EQUAL 'true'))		
Clearing condition: (('Status' NOT EQUAL 'Parent Admin Down') OR ('isTerminatable' NOT EQUAL 'true'))		
Remedial action: Informational - no corrective action required.		

Table 29-12 ContainingEquipmentMismatch

Alarm	Attributes	Applicable major NE releases
Name: ContainingEquipmentMismatch (464) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentMismatch (328)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentMismatch.		
Raising condition: (('Status' EQUAL 'Parent Type Mismatch') AND ('isTerminatable' EQUAL 'true'))		
Clearing condition: (('Status' NOT EQUAL 'Parent Type Mismatch') OR ('isTerminatable' NOT EQUAL 'true'))		
Remedial action: A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

Table 29-13 ContainingEquipmentOperationallyDown

Alarm	Attributes	Applicable major NE releases
Name: ContainingEquipmentOperationallyDown (465) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentDown (329)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentOperationallyDown.		
Raising condition: (('Status' EQUAL 'Parent Oper Down') AND ('isTerminatable' EQUAL 'true'))		
Clearing condition: (('Status' NOT EQUAL 'Parent Oper Down') OR ('isTerminatable' NOT EQUAL 'true'))		
Remedial action: The operational state of the equipment element indicated in the alarm is down. This may be due to the element's administrative state or it may indicate that the element has failed.		

Table 29-14 CorruptImageFile

Alarm	Attributes	Applicable major NE releases
Name: CorruptImageFile (171) Type: configurationAlarm (11) Package: mediation Raised on class: mediation.AbstractSoftwareFolderDescriptor	Severity: critical Implicitly cleared: true Default probable cause: invalidOrCorruptImageFile (134)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when one or more files in the 5620 SAM software image specified for a device software upgrade is invalid, corrupt or absent. The 5620 SAM validates a device software file set before it imports the file set and distributes it to an NE. Ensure that the file set downloads properly to the NE and is not tampered with before you re-attempt the upgrade. The alarm clears when a valid file set is on the NE and the 5620 SAM activates the software image in the file set.		
Raising condition: ('isImageValid' EQUAL 'false')		
Clearing condition: ('isImageValid' EQUAL 'true')		
Remedial action: The existing SW image in the SAM database should be replaced with an image that is known to be complete and valid.		

Table 29-15 DDMAux1HighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMAux1HighAlarm (495) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: aux1HighAlarm (381)	<ul style="list-style-type: none"> • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the manufacturer-specific Auxiliary 1 of the XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux1 High Alarm')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: NOT (('failedThresholds'anyBit'Aux1 High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

(2 of 2)

Table 29-16 DDMAux1HighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMAux1HighWarning (494) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: aux1HighWarning (380)	<ul style="list-style-type: none"> • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the manufacturer-specific Auxiliary 1 of the XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux1 High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux1 High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 29-17 DDMAux1LowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMAux1LowAlarm (493) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: aux1LowAlarm (379)	<ul style="list-style-type: none"> • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the manufacturer-specific Auxiliary 1 of the XFP reaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux1 Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux1 Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 29-18 DDMAux1LowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMAux1LowWarning (492) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: aux1LowWarning (378)	<ul style="list-style-type: none"> • 6.4.4 • 6.4.5 • 6.4.6

(1 of 2)

29 – Alcatel-Lucent OS6855 alarms

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when the manufacturer-specific Auxiliary 1 of the XFP approaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux1 Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux1 Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

(2 of 2)

Table 29-19 DDMAux2HighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMAux2HighAlarm (499) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: aux2HighAlarm (385)	<ul style="list-style-type: none"> • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the manufacturer-specific Auxiliary 2 of the XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux2 High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux2 High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 29-20 DDMAux2HighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMAux2HighWarning (498) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: aux2HighWarning (384)	<ul style="list-style-type: none"> • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the manufacturer-specific Auxiliary 2 of the XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux2 High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux2 High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 29-21 DDMAux2LowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMAux2LowAlarm (497) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: aux2LowAlarm (383)	<ul style="list-style-type: none"> • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the manufacturer-specific Auxiliary 2 of the XFP reaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux2 Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux2 Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 29-22 DDMAux2LowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMAux2LowWarning (496) Type: communicationthresholdAlarmnsAlarm (50) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: aux2LowWarning (382)	<ul style="list-style-type: none"> • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the manufacturer-specific Auxiliary 2 of the XFP approaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux2 Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux2 Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 29-23 DDMRxOpticalPowerHighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMRxOpticalPowerHighAlarm (491) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: rxOpticalPowerHighAlarm (377)	<ul style="list-style-type: none"> • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the received optical power of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Rx Optical Power High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Rx Optical Power High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 29-24 DDMRxOpticalPowerHighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMRxOpticalPowerHighWarning (490) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: rxOpticalPowerHighWarning (376)	<ul style="list-style-type: none"> • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the received optical power of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBitRx Optical Power High Warning')		
Clearing condition: NOT (('failedThresholds'anyBitRx Optical Power High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 29-25 DDMRxOpticalPowerLowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMRxOpticalPowerLowAlarm (489) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: rxOpticalPowerLowAlarm (375)	<ul style="list-style-type: none"> • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the received optical power of an SFP or XFP reaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBitRx Optical Power Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBitRx Optical Power Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 29-26 DDMRxOpticalPowerLowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMRxOpticalPowerLowWarning (488) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: rxOpticalPowerLowWarning (374)	<ul style="list-style-type: none"> • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the received optical power of an SFP or XFP approaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBitRx Optical Power Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBitRx Optical Power Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 29-27 DDMSupplyVoltageHighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMSupplyVoltageHighAlarm (479) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: supplyVoltageHighAlarm (365)	<ul style="list-style-type: none"> • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the supply voltage of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Supply Voltage High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Supply Voltage High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 29-28 DDMSupplyVoltageHighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMSupplyVoltageHighWarning (478) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: supplyVoltageHighWarning (364)	<ul style="list-style-type: none"> • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the supply voltage of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Supply Voltage High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Supply Voltage High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 29-29 DDMSupplyVoltageLowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMSupplyVoltageLowAlarm (477) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: supplyVoltageLowAlarm (363)	<ul style="list-style-type: none"> • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the supply voltage of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Supply Voltage Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Supply Voltage Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 29-30 DDMSupplyVoltageLowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMSupplyVoltageLowWarning (476) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: supplyVoltageLowWarning (362)	<ul style="list-style-type: none"> • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the supply voltage of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Supply Voltage Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Supply Voltage Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 29-31 DDMTemperatureHighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTemperatureHighAlarm (475) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: temperatureHighAlarm (361)	<ul style="list-style-type: none"> • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the temperature of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Temperature High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Temperature High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 29-32 DDMTemperatureHighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTemperatureHighWarning (474) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: temperatureHighWarning (360)	<ul style="list-style-type: none"> • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the temperature of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Temperature High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Temperature High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 29-33 DDMTemperatureLowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTemperatureLowAlarm (473) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: temperatureLowAlarm (359)	<ul style="list-style-type: none"> • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the temperature of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Temperature Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Temperature Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 29-34 DDMTemperatureLowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTemperatureLowWarning (472) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: temperatureLowWarning (358)	<ul style="list-style-type: none"> • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the temperature of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Temperature Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Temperature Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 29-35 DDMTxBiasCurrentHighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTxBiasCurrentHighAlarm (483) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: txBiasCurrentHighAlarm (369)	<ul style="list-style-type: none"> • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the transmit bias current of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Bias Current High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Bias Current High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 29-36 DDMTxBiasCurrentHighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTxBiasCurrentHighWarning (482) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: txBiasCurrentHighWarning (368)	<ul style="list-style-type: none"> • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the transmit bias current of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Bias Current High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Bias Current High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 29-37 DDMTxBiasCurrentLowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTxBiasCurrentLowAlarm (481) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: txBiasCurrentLowAlarm (367)	<ul style="list-style-type: none"> • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the transmit bias current of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Bias Current Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Bias Current Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 29-38 DDMTxBiasCurrentLowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTxBiasCurrentLowWarning (480) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: txBiasCurrentLowWarning (366)	<ul style="list-style-type: none"> • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the transmit bias current of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Bias Current Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Bias Current Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 29-39 DDMTxOutputPowerHighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTxOutputPowerHighAlarm (487) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: txOutputPowerHighAlarm (373)	<ul style="list-style-type: none"> • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the output power of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Output Power High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Output Power High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 29-40 DDMTxOutputPowerHighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTxOutputPowerHighWarning (486) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: txOutputPowerHighWarning (372)	<ul style="list-style-type: none"> • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the output power of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Output Power High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Output Power High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 29-41 DDMTxOutputPowerLowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTxOutputPowerLowAlarm (485) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: txOutputPowerLowAlarm (371)	<ul style="list-style-type: none"> • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the output power of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Output Power Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Output Power Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 29-42 DDMTxOutputPowerLowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTxOutputPowerLowWarning (484) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: txOutputPowerLowWarning (370)	<ul style="list-style-type: none"> • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the output power of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Output Power Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Output Power Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 29-43 downgradedCardAlarm

Alarm	Attributes	Applicable major NE releases
Name: downgradedCardAlarm (256) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: downgradedCard (195)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when an IOM is not upgraded or reset after a device software upgrade of both CPMs. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
Raising condition: ('operationalState' EQUAL 'Downgrade')		
Clearing condition: ('operationalState' EQUAL 'Up')		
Remedial action: Informational - no corrective action required.		

Table 29-44 EfmOamAlarm

Alarm	Attributes	Applicable major NE releases
Name: EfmOamAlarm (4617) Type: equipmentAlarm (3) Package: ethernetEquipment Raised on class: ethernetEquipment.Dot3Oam	Severity: minor Implicitly cleared: true Default probable cause: EFMOAMOperationalStateOutOfService (1886)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when EFM Ignore status is Enabled, and Physical port Administrative State is Down.		
Raising condition: ('Ignore EFM State' EQUAL 'true')		
Clearing condition: ('Ignore EFM State' EQUAL 'true')		
Remedial action: The alarm is raised when EFM Ignore status is Enabled, and Physical port Administrative State is Down.		

Table 29-45 EquipmentAdministrativelyDown

Alarm	Attributes	Applicable major NE releases
Name: EquipmentAdministrativelyDown (455) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: minor Implicitly cleared: true Default probable cause: equipmentAdministrativelyDown (326)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentAdministrativelyDown.		
Raising condition: ('compositeEquipmentState' EQUAL 'Admin Down')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Admin Down')		
Remedial action: Informational - no corrective action required.		

Table 29-46 EquipmentDegraded

Alarm	Attributes	Applicable major NE releases
Name: EquipmentDegraded (604) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: minor Implicitly cleared: true Default probable cause: singleFanFailure (450)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when a single fan fails. The chassis attempts to continue operating within the normal temperature range using only the remaining fans.		
Raising condition: ('Device State' EQUAL 'MinorFailure')		
Clearing condition: ('Device State' NOT EQUAL 'MinorFailure')		
Remedial action: The failed fan unit should be replaced.		

Table 29-47 EquipmentDown

Alarm	Attributes	Applicable major NE releases
Name: EquipmentDown (10) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: inoperableEquipment (8)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentOperationallyDown.		
Raising condition: ('compositeEquipmentState' EQUAL 'Oper Down')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Oper Down')		
Remedial action: This alarm indicates that a card in the NE has failed. The card must be replaced.		

29 – Alcatel-Lucent OS6855 alarms

Table 29-48 EquipmentFailure

Alarm	Attributes	Applicable major NE releases
Name: EquipmentFailure (145) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.ReplaceableUnit	Severity: critical Implicitly cleared: true Default probable cause: cardFailure (123)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when a control processor or power-supply tray reports a failure. When the object type is ControlProcessor, a CPM may be unable to boot. When the object type is Power Supply Tray and the alarm is raised during device discovery, a power-supply tray may be out of service. When the object type is a Power Supply Tray and the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
Raising condition: ('operationalState' EQUAL 'Failed')		
Clearing condition: ('operationalState' NOT EQUAL 'Failed')		
Remedial action: If the alarm indicates that the CPM card has a fault, remove the card and reset it. If this does not clear the alarm then please contact Alcatel-Lucent support for assistance. If the alarm indicates that the Power Supply tray is out of service ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 29-49 EquipmentInTest

Alarm	Attributes	Applicable major NE releases
Name: EquipmentInTest (11) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: warning Implicitly cleared: true Default probable cause: equipmentInTest (9)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when equipment enters a diagnostic state.		
Raising condition: ('compositeEquipmentState' EQUAL 'In Test')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'In Test')		
Remedial action: Informational - no corrective action required.		

Table 29-50 EquipmentMismatch

Alarm	Attributes	Applicable major NE releases
Name: EquipmentMismatch (9) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: equipmentTypeMismatch (7)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMismatch.		
Raising condition: ('compositeEquipmentState' EQUAL 'Type Mismatch')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Type Mismatch')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

(2 of 2)

Table 29-51 EquipmentRemoved

Alarm	Attributes	Applicable major NE releases
Name: EquipmentRemoved (8) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: replaceableEquipmentRemoved (6)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMissing.		
Raising condition: (('compositeEquipmentState' EQUAL 'Removed') AND ('isEquipmentInserted' EQUAL 'true'))		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Removed')		
Remedial action: Informational - this alarm is raised when a card is removed.		

Table 29-52 EthernetPortConfiguredLoopback

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortConfiguredLoopback (801) Type: configurationAlarm (11) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: warning Implicitly cleared: true Default probable cause: ethernetPortConfiguredLoopback (567)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when a timed loopback is in effect for an Ethernet port.		
Raising condition: (('Type' NOT EQUAL 'None'))		
Clearing condition: (('Type' EQUAL 'None'))		
Remedial action: This alarm has been raised by the node because "Timed Loopback" option of the specific port's Ethernet property has been enabled. To resolve this problem from "Ethernet" tab of "Physical Port" properties form configure "Timed Loopback" Type property as "None".		

Table 29-53 EthernetPortDuplicateLane

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortDuplicateLane (3557) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: DuplicateLane (1387)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when a device reports a Duplicate Lane on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 29-54 EthernetPortHighBer

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortHighBer (307) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when a device reports a high bit-error rate on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))		
Remedial action: One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 29-55 EthernetPortLocalFault

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortLocalFault (305) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: LocalFault (236)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when a device reports a local fault on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))))		
Remedial action: One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

(2 of 2)

Table 29-56 EthernetPortNoAmLock

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortNoAmLock (3558) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoAmLock (1388)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when a device reports a No Am Lock on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 29-57 EthernetPortNoBlockLock

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortNoBlockLock (3559) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoBlockLock (1389)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when a device reports a No Block Lock on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock'))))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 29-58 EthernetPortNoFrameLock

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortNoFrameLock (306) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoFrameLock (237)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when a device reports No Frame Lock on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock'))		
Remedial action: One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 29-59 EthernetPortRemoteFault

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortRemoteFault (304) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: RemoteFault (235)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when a device reports a remote fault on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault'))		
Remedial action: One of the following conditions exists on the remote physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 29-60 EthernetPortSignalFailure

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortSignalFailure (303) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: SignalFailure (234)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when a device reports a signal failure on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))))		
Remedial action: One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

(2 of 2)

Table 29-61 FanFailure

Alarm	Attributes	Applicable major NE releases
Name: FanFailure (624) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: fanFailure (116)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the associated fan is not operationally Up.		
Raising condition: (('Device State' EQUAL 'Failed') OR ('Device State' EQUAL 'Unknown') OR ('Device State' EQUAL 'OutOfService'))		
Clearing condition: ('Device State' EQUAL 'OK')		
Remedial action: Remove and reset the fan unit. If this does not resolve the problem replace the fan.		

Table 29-62 FanTrayRemoved

Alarm	Attributes	Applicable major NE releases
Name: FanTrayRemoved (569) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: FanTrayRemoved (438)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the deviceState attribute has a value of deviceNotEquipped.		
Raising condition: ('Device State' EQUAL 'Not Equipped')		
Clearing condition: ('Device State' NOT EQUAL 'Not Equipped')		
Remedial action: Informational - a fan tray has been removed from the NE.		

Table 29-63 FrameSizeProblem (netw)

Alarm	Attributes	Applicable major NE releases
Name: FrameSizeProblem (37) Type: configurationAlarm (11) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: frameSizeProblem (33)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when a provisioned MTU size value is greater than the supported MTU size value.		
Raising condition: (('mtuMismatch' EQUAL 'true') AND ('portId' NOT EQUAL 'OL'))		
Clearing condition: (('mtuMismatch' EQUAL 'false') OR ('portId' EQUAL 'OL'))		
Remedial action: A configuration error has been made which must be corrected. The MTU value must be changed such that is less than or equal to the supported MTU size value.		

Table 29-64 GaPeerDown

Alarm	Attributes	Applicable major NE releases
Name: GaPeerDown (3303) Type: EpcAlarm (59) Package: Iteggsn Raised on class: Iteggsn.GaPeer	Severity: major Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the path management state of a Ga peer changes to a state other than Up.		
Raising condition: ('Path Management State' NOT EQUAL 'Active')		
Clearing condition: ('Path Management State' EQUAL 'Active')		
Remedial action: A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

Table 29-65 IfVlanSubTypeConflict

Alarm	Attributes	Applicable major NE releases
Name: IfVlanSubTypeConflict (213) Type: configurationAlarm (11) Package: vlan Raised on class: vlan.L2AccessInterface	Severity: major Implicitly cleared: true Default probable cause: topologyMisconfigured (81)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when more than one type of VLAN service is configured with the same VLAN ID. The alarm is raised against an L2 access interface.		
Raising condition: ('vlanSubTypeConflict' EQUAL 'true')		
Clearing condition: ('vlanSubTypeConflict' EQUAL 'false')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: Ensure that only one type of VLAN Service is configured with the VLAN ID used by this Interface.		

(2 of 2)

Table 29-66 IgmpDown

Alarm	Attributes	Applicable major NE releases
Name: IgmpDown (158) Type: ProtocolAlarm (1) Package: igmp Raised on class: igmp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when an IGMP site has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: While configured under VPRN, check if VPRN site is admin down, or if route distinguisher is not configured.		

Table 29-67 IgmpSnoopingDown

Alarm	Attributes	Applicable major NE releases
Name: IgmpSnoopingDown (161) Type: ProtocolAlarm (1) Package: layer2 Raised on class: layer2.Bridge	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when IGMP snooping is disabled on an NE and a TLS VLAN or MVR VLAN service is provisioned on the NE.		
Raising condition: ('IGMP Snooping' EQUAL 'Disabled')		
Clearing condition: ('IGMP Snooping' EQUAL 'Enabled')		
Remedial action: To clear the alarm, enable IGMP Snooping under the Bridge Instance.		

Table 29-68 IncompleteConfiguration

Alarm	Attributes	Applicable major NE releases
Name: IncompleteConfiguration (1942) Type: operationalViolation (93) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: incompleteConfig (225)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when a pre-provisioned NE has no objects configured beneath it.		

(1 of 2)

29 – Alcatel-Lucent OS6855 alarms

Alarm	Attributes	Applicable major NE releases
Raising condition: (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' EQUAL '\'))		
Clearing condition: (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' NOT EQUAL '\'))		
Remedial action: A configuration error has been made which must be corrected. The configuration of the pre-provisioned NE is incomplete. A work order was not associated with the pre-provisioned NE and as a consequence the attempt to auto-configure the NE failed.		

(2 of 2)

Table 29-69 InterfaceDown (netw)

Alarm	Attributes	Applicable major NE releases
Name: InterfaceDown (36) Type: InterfaceAlarm (13) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when an interface or underlying resource fails, as indicated by an interface compositeState attribute value of failed or underlyingResourceFailed.		
Raising condition: (('compositeState' EQUAL 'Inoperable') OR ('compositeState' EQUAL 'Underlying Resource Inoperable'))		
Clearing condition: (('compositeState' NOT EQUAL 'Inoperable') AND ('compositeState' NOT EQUAL 'Underlying Resource Inoperable'))		
Remedial action: A physical port (physical interface, LAG, channel) associated with the network interface in not operation. Ensure that the interface is cabled and that there isn't a configuration error (i.e. MTU size set incorrectly) on the interface. Once the issue w		

Table 29-70 IsisDown

Alarm	Attributes	Applicable major NE releases
Name: IsisDown (19) Type: ProtocolAlarm (1) Package: isis Raised on class: isis.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when an IS-IS site has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: The protocol is not working anymore, could be a problem with IP addresses, resources on the device, ...		

Table 29-71 LagDown

Alarm	Attributes	Applicable major NE releases
Name: LagDown (20) Type: equipmentAlarm (3) Package: lag Raised on class: lag.Interface	Severity: critical Implicitly cleared: true Default probable cause: lagDown (17)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when all ports in a LAG are operationally down.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
Clearing condition: (('operationalState' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: This alarm indicates that all physical Ethernet links associated with a LAG are operationally down. The reasons for the links to be down may vary from link to link. The following possible causes of this alarm should be investigated. The physical port (near end or far end may have failed - this can be remedied by replacing the interface card in question. The physical links may have been turned down administratively - re-enable the links. A cable failure or disconnect may have occurred - please ensure that the cables are properly connected to the physical port and and that the cable has not been damaged.		

Table 29-72 LagPortAddFailed

Alarm	Attributes	Applicable major NE releases
Name: LagPortAddFailed (422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: warning Implicitly cleared: true Default probable cause: linkDown (315)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the Lag Port Add function Fails.		
Raising condition: (('state' EQUAL 'Link Down') AND ('LAG ID' > '0'))		
Clearing condition: (('state' NOT EQUAL 'Link Down') OR ('LAG ID' EQUAL '0'))		
Remedial action: A configuration error has occurred which must be corrected. The link that was to be added to the LAG group may be of the wrong type (i.e. non ethernet) or the limit of the number of links supported in a LAG may have been reached.		

Table 29-73 LicensedLimitExceeded

Alarm	Attributes	Applicable major NE releases
Name: LicensedLimitExceeded (127) Type: licensingAlarm (23) Package: security Raised on class: security.ProductLicense	Severity: critical Implicitly cleared: true Default probable cause: licensedLimitExceeded (106)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the license items in the network exceeds 100 percent of the license capacity.		
Raising condition: ('Exceeded' EQUAL 'true')		
Clearing condition: ('Exceeded' NOT EQUAL 'true')		

(1 of 2)

29 – Alcatel-Lucent OS6855 alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: Informational - The number of SAM licenses purchased and available on the SAM server is insufficient as compared to the number of NEs/MDA/Cells under management in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

(2 of 2)

Table 29-74 LinkDown

Alarm	Attributes	Applicable major NE releases
Name: LinkDown (12) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: portLinkProblem (10)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when a port has no associated physical link or remote end point is operationally down.		
Raising condition: (('compositeEquipmentState' EQUAL 'Link Down') OR ('compositeEquipmentState' EQUAL 'Oper Down'))		
Clearing condition: (('compositeEquipmentState' NOT EQUAL 'Link Down') AND ('compositeEquipmentState' NOT EQUAL 'Oper Down'))		
Remedial action: Please make sure that port has physical link and remote end point is operationally up.		

Table 29-75 LowTemperatureDetected

Alarm	Attributes	Applicable major NE releases
Name: LowTemperatureDetected (1127) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOvercooled (838)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the chassis temperature falls below the minimum threshold.		
Raising condition: ('Low Temperature State' EQUAL 'Low')		
Clearing condition: ('Low Temperature State' NOT EQUAL 'Low')		
Remedial action: The NE has detected internal temperatures which are abnormally low. This may happen when the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 29-76 LowTemperatureThresholdCrossed

Alarm	Attributes	Applicable major NE releases
Name: LowTemperatureThresholdCrossed (1128) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Environment	Severity: major Implicitly cleared: true Default probable cause: equipmentOvercooled (838)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when a low-temperature threshold is crossed.		
Raising condition: ('lowTemperatureThresholdCrossed' EQUAL 'true')		
Clearing condition: ('lowTemperatureThresholdCrossed' EQUAL 'false')		
Remedial action: The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 29-77 LpsViolation

Alarm	Attributes	Applicable major NE releases
Name: LpsViolation (518) Type: learnedPortSecurityAlarm (51) Package: lps Raised on class: lps.LearnedPortSecurity	Severity: major Implicitly cleared: true Default probable cause: learnedPortSecurityViolation (393)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the 5620 SAM detects an LPS violation.		
Raising condition: ('Operational State' EQUAL 'Security Violated')		
Clearing condition: ('Operational State' EQUAL 'Down')		
Remedial action: Port reset is required to return the port to normal operation.		

Table 29-78 macMoveRateExceeded (service)

Alarm	Attributes	Applicable major NE releases
Name: macMoveRateExceeded (3690) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: minor Implicitly cleared: true Default probable cause: MacMoveRateExceeded (1429)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site.		
Raising condition: ('State Cause'anyBit'Relearn Limit Exceeded')		
Clearing condition: NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		
Remedial action: Informational.		

Table 29-79 macMoveRateExceededNonBlock (service)

Alarm	Attributes	Applicable major NE releases
Name: macMoveRateExceededNonBlock (4893) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: info Implicitly cleared: true Default probable cause: MacMoveRateExceededNonBlock (1951)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site when limitMacMove(sapTlsLimitMacMove) is set to 'nonBlocking'.		
Raising condition: ('State Cause'anyBit'Relearn Limit Exceeded')		
Clearing condition: NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		
Remedial action: Informational - User can adjust the value of 'MAC Move Maximum Rate' to reduce the frequency of this alarm.		

Table 29-80 MepAISReceivedAlarm

Alarm	Attributes	Applicable major NE releases
Name: MepAISReceivedAlarm (2945) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: variable Implicitly cleared: true Default probable cause: missingRemoteMep (388)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when a MEP Receives AIS test frames from one or more of its sub-layer MEPs.		
Raising condition: (('AIS Received (AisRx)' EQUAL 'true') AND ('Facility VLAN ID' EQUAL '0'))		
Clearing condition: ('AIS Received (AisRx)' EQUAL 'false')		
Remedial action: This alarm indicates that it has received a MEP fault from a sub-layer MEP, user should investigate the fault cause on the sub-layer MEP and resolve this root cause issue.		

Table 29-81 MobileConnectorDown

Alarm	Attributes	Applicable major NE releases
Name: MobileConnectorDown (1064) Type: EpcAlarm (59) Package: Iteservice Raised on class: Iteservice.MobileServiceConnector	Severity: minor Implicitly cleared: true Default probable cause: EpcDown (519)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the 5620 SAM no longer manages the EPS path instance of this mobile service site. As a result, the service must be regenerated.		
Raising condition: ('EPS Path' EQUAL '\\"')'		
Clearing condition: ('EPS Path' NOT EQUAL '\\"')'		
Remedial action: The underlying transport network has gone down resulting in the deletion of a mobile service connector (EPS path). Correct the issue with the transport network and regenerate the mobile service connector by clicking on the re-calculate button on the mobile service properties form.		

Table 29-82 MvrSiteDown

Alarm	Attributes	Applicable major NE releases
Name: MvrSiteDown (162) Type: ProtocolAlarm (1) Package: layer2 Raised on class: layer2.MvrSite	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when MVR is disabled on an NE and a TLS VLAN or MVR VLAN service is provisioned on the NE.		
Raising condition: ('MVR Admin Status' EQUAL 'Disabled')		
Clearing condition: ('MVR Admin Status' EQUAL 'Enabled')		
Remedial action: To clear the alarm, enable MVR Admin Status under the Bridge Instance.		

Table 29-83 NeighborDown

Alarm	Attributes	Applicable major NE releases
Name: NeighborDown (121) Type: NeighborDown (20) Package: ospf Raised on class: ospf.AbstractNeighbor	Severity: major Implicitly cleared: true Default probable cause: NeighborDown (103)	<ul style="list-style-type: none"> • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when an OSPF interface neighbor is operationally Down.		
Raising condition: ('Operational State' NOT EQUAL 'full')		
Clearing condition: ('Operational State' EQUAL 'full')		
Remedial action: This alarm is raised when the OSPF interface neighbor is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 29-84 NeManagementAndTrapManagementMismatch

Alarm	Attributes	Applicable major NE releases
Name: NeManagementAndTrapManagementMismatch (1079) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: neManagementChange (817)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: This user-defined alarm is raised when the NE configuration is one of the following: - The Active Management IP is set to Out Of Band, and the Primary Route Preference is set to In Band. - The Active Management IP is set to In Band, and the Primary Route Preference is set to Out of Band.		

(1 of 2)

29 – Alcatel-Lucent OS6855 alarms

Alarm	Attributes	Applicable major NE releases
Raising condition: (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only')) AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only')) AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'Out Of Band'))))		
Clearing condition: (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only')) AND ('Primary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only')) AND ('Primary Route Preference' EQUAL 'Out Of Band'))))		
Remedial action: A configuration error has been made which must be corrected. The parameters described in the description for this alarm must match.		

(2 of 2)

Table 29-85 NewSsh2ServerKeyDetected

Alarm	Attributes	Applicable major NE releases
Name: NewSsh2ServerKeyDetected (285) Type: communicationsAlarm (4) Package: security Raised on class: security.KnownHostKey	Severity: warning Implicitly cleared: true Default probable cause: ssh2ServerKeyMismatch (217)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when a 5620 SAM main server detects a new public SSH key.		
Raising condition: ('SSH2 Server Key Status' EQUAL 'Mismatch SSH2 Host Key')		
Clearing condition: ('SSH2 Server Key Status' EQUAL 'Active SSH2 Host Key')		
Remedial action: Informational - possible security breach. The SSH key of the router is different from the one known to the SAM server.		

Table 29-86 NodeDatabaseFallbackDetected

Alarm	Attributes	Applicable major NE releases
Name: NodeDatabaseFallbackDetected (2923) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseFallback (1121)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when a configuration fallback is detected on the node and comes back up with a previous configuration. To correct this situation it might be necessary to reconfigure the node, or perform full resync its database with the 'fallback' configuration returned by the node.		
Raising condition: ('State' EQUAL 'Node Configuration Fallback')		
Clearing condition: ('State' EQUAL 'Managed')		
Remedial action: the NE has come back to a previous configuration. Perform a manual Full Resync or a Reconfigure of the NE		

Table 29-87 NodeDatabaseMisalignmentDetected

Alarm	Attributes	Applicable major NE releases
Name: NodeDatabaseMisalignmentDetected (2924) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseMisalignment (1122)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when a configuration misalignment has been detected on the node and comes back up with an unexpected configuration (configuration change triggered by external tool) To correct this situation it might be necessary to reconfigure the node with the 5620 SAM's old configuration or accept the new configuration received from the node.		
Raising condition: ('State' EQUAL 'Node Configuration Misalignment')		
Clearing condition: ('State' EQUAL 'Managed')		
Remedial action: the NE configuration is misaligned. Perform a resync in order to update SAM configuration according to the NE.		

Table 29-88 NodeSuspended

Alarm	Attributes	Applicable major NE releases
Name: NodeSuspended (5123) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: NodeSuspend (2057)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the 5620 SAM detects an NE moved to suspend state as per user request.		
Raising condition: ('SNMP Reachability' EQUAL 'Suspended')		
Clearing condition: ('SNMP Reachability' NOT EQUAL 'Suspended')		
Remedial action: This alarm is raised when user suspends the network element. The alarm will be cleared when the network element is managed back.		

Table 29-89 OrphanNodeDetected

Alarm	Attributes	Applicable major NE releases
Name: OrphanNodeDetected (4866) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.AdvertisedNode	Severity: major Implicitly cleared: true Default probable cause: nodeNotManagedByAnyEms (1934)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when node is not managed by any EMS after n retries (threshold crossed) it is manually cleared by the operator or when the node is discovered.		
Raising condition: ('state' EQUAL 'orphan')		
Remedial action: The NE is not managed by any SAM. Add a discovery rule in order to manage it.		

Table 29-90 OspfInterfaceDown

Alarm	Attributes	Applicable major NE releases
Name: OspfInterfaceDown (141) Type: OspfInterfaceDown (24) Package: ospf Raised on class: ospf.Interface	Severity: warning Implicitly cleared: true Default probable cause: OspfInterfaceDown (112)	<ul style="list-style-type: none"> • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when an OSPF interface is operationally down.		
Raising condition: ('operationalState' EQUAL 'Down')		
Clearing condition: ('operationalState' NOT EQUAL 'Down')		
Remedial action: This alarm is raised when the OSPF interface is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 29-91 OverTemperatureDetected

Alarm	Attributes	Applicable major NE releases
Name: OverTemperatureDetected (388) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the chassis temperature exceeds the maximum threshold value.		
Raising condition: ('Over Temperature State' EQUAL 'Over')		
Clearing condition: ('Over Temperature State' NOT EQUAL 'Over')		
Remedial action: The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 29-92 PartialResyncProblem

Alarm	Attributes	Applicable major NE releases
Name: PartialResyncProblem (4401) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: partialResyncProblem (1578)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when an Partial Resync on an NE fails. For example, when resyncing only some MIB entries as opposed to a full resync. The periodic reachability test (sysUpTime) is not considered a partial resync, neither is a full resync. However, a PartialResyncProblem alarm can only be reset by a FullResync.		
Raising condition: ('partialResyncStatus' EQUAL 'Partial Resync Failed')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: ('partialResyncStatus' EQUAL 'Partial Resync Done')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE.		

(2 of 2)

Table 29-93 PersistentIndexParametersMisconfigured

Alarm	Attributes	Applicable major NE releases
Name: PersistentIndexParametersMisconfigured (173) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: persistentIndexConfigurationMismatch (136)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when persistence is set to Off in the NE BOF.		
Raising condition: (('Persistent SNMP Indices' EQUAL 'False') OR (('hasRedundantProcessorCards' EQUAL 'true') AND ('Redundant Synchronization Mode' EQUAL 'None')))		
Clearing condition: (('Persistent SNMP Indices' EQUAL 'True') AND (('hasRedundantProcessorCards' EQUAL 'false') OR ('Redundant Synchronization Mode' NOT EQUAL 'None')))		
Remedial action: A configuration error has occurred that must be corrected. Use the CLI on the NE to enable persistency in the BOF. The discovery process will complete on the next discovery scan. A re-scan can be triggered immediately for the NE from within the discovery manager		

Table 29-94 PimDown

Alarm	Attributes	Applicable major NE releases
Name: PimDown (184) Type: ProtocolAlarm (1) Package: pim Raised on class: pim.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when a PIM site is administratively Up but operationally Down. The alarm is cleared when the PIM site becomes operationally Up but administratively Down.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: This should never happen. Contact Alcatel-Lucent Customer Support for assistance.		

Table 29-95 PollerProblem

Alarm	Attributes	Applicable major NE releases
Name: PollerProblem (31) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: resyncFailed (24)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
Raising condition: ('Resync Status' EQUAL 'Full Resync Failed')		
Clearing condition: ('Resync Status' EQUAL 'Full Resync Done')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 29-96 PowerSupplyFailure

Alarm	Attributes	Applicable major NE releases
Name: PowerSupplyFailure (633) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: critical Implicitly cleared: true Default probable cause: powerSupplyFailure (117)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when a power-supply tray reports a failure. When the alarm is raised during device discovery, a power-supply tray may be out of service. When the alarm is raised while the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
Raising condition: (('Power Supply 1 Status' EQUAL 'Not Equipped') OR ('Power Supply 1 Status' EQUAL 'Failed'))		
Clearing condition: (('Power Supply 1 Status' EQUAL 'OK'))		
Remedial action: Ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 29-97 PowerSupplyInputFeedDown

Alarm	Attributes	Applicable major NE releases
Name: PowerSupplyInputFeedDown (5422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: minor Implicitly cleared: true Default probable cause: powerSupplyInputFeedDown (2073)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: This alarm is generated if any one of the input feeds for a given power supply is not supplying power.		
Raising condition: (('Input Feed Status' EQUAL 'Input A Down') OR ('Input Feed Status' EQUAL 'Input B Down') OR (('Input Feed Status'allBits'Input A Down') AND ('Input Feed Status'allBits'Input B Down'))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: ('Input Feed Status' EQUAL 'None')		
Remedial action: Restore all of the input feeds that are not supplying power.		

(2 of 2)

Table 29-98 PowerSupplyRemoved

Alarm	Attributes	Applicable major NE releases
Name: PowerSupplyRemoved (542) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: major Implicitly cleared: true Default probable cause: PowerSupplyRemoved (415)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when a chassis power supply is removed.		
Raising condition: ('Power Supply 1 Status' EQUAL 'Not Equipped')		
Clearing condition: ('Power Supply 1 Status' NOT EQUAL 'Not Equipped')		
Remedial action: To recover from this event, the customer is requested to add a new power supply to the system, or change a faulty power supply with a working one.		

Table 29-99 PrimaryImageBootFailure

Alarm	Attributes	Applicable major NE releases
Name: PrimaryImageBootFailure (191) Type: configurationAlarm (11) Package: sw Raised on class: sw.CardSoftware	Severity: warning Implicitly cleared: true Default probable cause: bootOptionFileMisconfigured (150)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the primary software image specified in an NE BOF is unusable.		
Raising condition: (('imageSource' NOT EQUAL 'Primary') AND ('imageSource' NOT EQUAL 'Unknown'))		
Clearing condition: (('imageSource' EQUAL 'Primary') OR ('imageSource' EQUAL 'Unknown'))		
Remedial action: The SW image on the NE may have been inadvertently corrupted. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

Table 29-100 RadiusOperStatusDown

Alarm	Attributes	Applicable major NE releases
Name: RadiusOperStatusDown (3692) Type: radiusOperStatusDownAlarm (105) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: radiusOperationStatusDown (1431)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when all RADIUS servers have gone down.		
Raising condition: ('Global RADIUS Operational State' EQUAL 'Down')		
Clearing condition: ('Global RADIUS Operational State' EQUAL 'Up')		
Remedial action: Verify the RADIUS server is properly configured and radius server state is up. Check the connectivity between SAM server and radius server configured on the Network element.		

Table 29-101 ReachabilityProblem

Alarm	Attributes	Applicable major NE releases
Name: ReachabilityProblem (243) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ReachabilityTestFailed (176)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when an Mediation poll of the SysUpTimeAlarm object on an NE fails, for example, because of network congestion or because the NE is too busy to respond. The probable cause is an unreachable NE Mediation agent on the NE. By default, the 5620 SAM polls a managed NE every two minutes. If a poll fails, the alarm is raised. The 5620 SAM polls the NE two minutes after the first failure. If successive polls fail, the 5620 SAM raises the polling interval for the NE by two minutes after each failure to a maximum of 12 min. The polling interval remains at 12 min until the 5620 SAM receives a response from the NE. The alarm clears when the 5620 SAM receives a response from the NE, and the 5620 SAM GUI icon that represents the NE turns from red to green.		
Raising condition: ('SNMP Reachability' EQUAL 'Down')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 29-102 ReconfigFailure

Alarm	Attributes	Applicable major NE releases
Name: ReconfigFailure (1949) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: failedReconfig (937)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: This alarm is raised when the reconfig action failed.		
Raising condition: ('State' EQUAL 'Failed')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: ('State' NOT EQUAL 'Failed')		
Remedial action: Verify that the object is configured as expected.		

(2 of 2)

Table 29-103 RedundantMepMisconfiguration

Alarm	Attributes	Applicable major NE releases
Name: RedundantMepMisconfiguration (3631) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: minor Implicitly cleared: true Default probable cause: misconfiguredRedundantMep (1416)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when an Active and Redundant MEP do not have the same Id, Operational MAC Address or Sub Group configured.		
Raising condition: ('validRedundantMepConfig' EQUAL 'false')		
Clearing condition: ('validRedundantMepConfig' EQUAL 'true')		
Remedial action: MC-LAG redundant MEP configuration (MEP ID or Mac Address) for Active & Standby Interfaces do not match, this could cause issues with CFM or CCM tests if Active interface changes. Delete and Re-create Standby MEP to match Active.		

Table 29-104 RedundantMepMissing

Alarm	Attributes	Applicable major NE releases
Name: RedundantMepMissing (3632) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: minor Implicitly cleared: true Default probable cause: missingRedundantMep (1417)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when a MEP misses a redundant counterpart on LAG or SAP.		
Raising condition: (('MC-LAG Inactive' NOT EQUAL 'Not Applicable') AND ('Redundant MEP' EQUAL '\'))		
Clearing condition: (('MC-LAG Inactive' EQUAL 'Not Applicable') OR (('MC-LAG Inactive' NOT EQUAL 'Not Applicable') AND ('Redundant MEP' NOT EQUAL '\')))		
Remedial action: MC-LAG redundant MEP is missing Active & Standby Interfaces, this will cause issues with CFM or CCM tests if Active interface changes. Create missing Active/Standby MEP to match existing.		

29 – Alcatel-Lucent OS6855 alarms

Table 29-105 RemoteMepCCMAAlarm

Alarm	Attributes	Applicable major NE releases
Name: RemoteMepCCMAAlarm (502) Type: oamAlarm (18) Package: ethernetOam Raised on class: ethernetOam.Mep	Severity: major Implicitly cleared: true Default probable cause: missingRemoteMep (388)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when a MEP loses connectivity with one or more remote MEPs. The Remote MEP DB State tab on a MEP lists the missing remote MEPs.		
Raising condition: ('High-Priority Defect' NOT EQUAL '0')		
Clearing condition: ('High-Priority Defect' EQUAL '0')		
Remedial action: MEP has lost communication with Remote MEP defined in Maintenance Association (MEG) Remote MEP list, Either Remote MEP list is incorrect or diagnose connection fault and resolve.		

Table 29-106 RipDown

Alarm	Attributes	Applicable major NE releases
Name: RipDown (72) Type: ProtocolAlarm (1) Package: rip Raised on class: rip.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when a RIP site has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: The RIP Site is down while it is administratively up. Please check the node e.g. IOM is not shutdown or installed.		

Table 29-107 SaveConfigFailed

Alarm	Attributes	Applicable major NE releases
Name: SaveConfigFailed (105) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileAccessError (90)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the admin save command on an NE fails.		
Raising condition: ('Config Save State' EQUAL 'Failure')		
Clearing condition: ('Config Save State' EQUAL 'Success')		
Remedial action: Attempt the admin save command a second time. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 29-108 ScheduledPollerProblem

Alarm	Attributes	Applicable major NE releases
Name: ScheduledPollerProblem (4386) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: scheduledResyncFailed (1569)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
Raising condition: ('Scheduled Resync Status' EQUAL 'Scheduled Resync Failed')		
Clearing condition: ('Scheduled Resync Status' EQUAL 'Scheduled Resync Done')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 29-109 ServiceSiteDown

Alarm	Attributes	Applicable major NE releases
Name: ServiceSiteDown (97) Type: serviceAlarm (16) Package: service Raised on class: service.Site	Severity: critical Implicitly cleared: true Default probable cause: siteDown (83)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when all SAPs on a site are operationally down, or when the service tunnels for the site are operationally down.		
Raising condition: (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'All Spoke SDP Bindings are Standby'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'All Spoke SDP Bindings are Standby'))		
Remedial action: The network resources (i.e. physical ports for SAPs, or physical ports/LSP) associated with the service site should be examined to determine if/why they are operationally down. The underlying transport network supporting the site may also be unreliable.		

Table 29-110 SiteManagementVlanConflict

Alarm	Attributes	Applicable major NE releases
Name: SiteManagementVlanConflict (223) Type: configurationAlarm (11) Package: vlan Raised on class: vlan.Site	Severity: warning Implicitly cleared: true Default probable cause: topologyMisconfigured (81)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the management VLAN ID is used for another type of service.		
Raising condition: ('managementVlanConflict' EQUAL 'true')		
Clearing condition: ('managementVlanConflict' EQUAL 'false')		

(1 of 2)

29 – Alcatel-Lucent OS6855 alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: Ensure that the VLAN ID of this Management Service Site is not used on any other type of VLAN Service Site.		

(2 of 2)

Table 29-111 SiteVlanSubTypeConflict

Alarm	Attributes	Applicable major NE releases
Name: SiteVlanSubTypeConflict (224) Type: configurationAlarm (11) Package: vlan Raised on class: vlan.Site	Severity: major Implicitly cleared: true Default probable cause: topologyMisconfigured (81)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when more than one type of VLAN service has the same VLAN ID. The alarm is raised against a site.		
Raising condition: ('vlanSubTypeConflict' EQUAL 'true')		
Clearing condition: ('vlanSubTypeConflict' EQUAL 'false')		
Remedial action: Ensure that only one type of VLAN Service is configured with the VLAN ID used by this Site.		

Table 29-112 StatsRetrieveFailed

Alarm	Attributes	Applicable major NE releases
Name: StatsRetrieveFailed (244) Type: configurationAlarm (11) Package: sw Raised on class: sw.AccountingStatsRetrievalManager	Severity: major Implicitly cleared: false Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the 5620 SAM main or auxiliary server cannot transfer an accounting file from an NE.		
Raising condition: (('Stats Retrieval State' NOT EQUAL 'Success') AND ('Stats Retrieval State' NOT EQUAL 'Not Attempted'))		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy or otherwise cannot respond to the 5620 SAM main or auxiliary server.		

Table 29-113 SubscriberSystemNextHopUsageHigh

Alarm	Attributes	Applicable major NE releases
Name: SubscriberSystemNextHopUsageHigh (5157) Type: thresholdCrossed (6) Package: netw Raised on class: netw.NetworkElement	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit.		
Raising condition: ('IP Next Hop Usage High' EQUAL 'true')		
Clearing condition: ('IP Next Hop Usage High' EQUAL 'false')		
Remedial action: The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit. There is no immediate effect, but when the usage actually hits the limit, new hosts will not get their managed routes.		

(2 of 2)

Table 29-114 TemperatureThresholdCrossed

Alarm	Attributes	Applicable major NE releases
Name: TemperatureThresholdCrossed (7) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Environment	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when a temperature crosses a threshold.		
Raising condition: ('temperatureThresholdCrossed' EQUAL 'true')		
Clearing condition: ('temperatureThresholdCrossed' EQUAL 'false')		
Remedial action: The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 29-115 TlsSiteDown

Alarm	Attributes	Applicable major NE releases
Name: TlsSiteDown (163) Type: ProtocolAlarm (1) Package: layer2 Raised on class: layer2.TlsSite	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when MVR is disabled on an NE and a TLS VLAN or MVR VLAN service is provisioned on the NE.		
Raising condition: ('TLS Admin Status' EQUAL 'Disabled')		
Clearing condition: ('TLS Admin Status' EQUAL 'Enabled')		
Remedial action: To clear the alarm, enable TLS Admin Status under the Bridge Instance.		

Table 29-116 TmnxEqPortEtherLoopDetected

Alarm	Attributes	Applicable major NE releases
Name: TmnxEqPortEtherLoopDetected (461) Type: portEtherLoopDetected (48) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when a device detects a physical loop on an Ethernet port.		
Raising condition: (('Down When Looped Status' EQUAL 'Loop Detected'))		
Clearing condition: (('Down When Looped Status' EQUAL 'No Loop Detected'))		
Remedial action: An Ethernet port has been mis-cabled - please remove the loopback cable on the port.		

Table 29-117 TrapDestinationMisconfigured

Alarm	Attributes	Applicable major NE releases
Name: TrapDestinationMisconfigured (33) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: trapDestinationMisconfigured (26) Applicable probable causes: <ul style="list-style-type: none"> • trapDestinationMisconfigured • duplicateTrapLogId 	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the 5620 SAM cannot be added to the NE's SNMP trap destinations.		
Raising condition: ('isTrapDestinationMisconfigured' EQUAL 'true')		
Clearing condition: ('isTrapDestinationMisconfigured' EQUAL 'false')		
Remedial action: A configuration error has been made which must be corrected. The SNMP trap destination on the NE must be configured to the IP address of the SAM server.		

Table 29-118 TrapReceivingFailure

Alarm	Attributes	Applicable major NE releases
Name: TrapReceivingFailure (1083) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: false Default probable cause: trapsWillNotBeSent (822)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: This user-defined alarm is raised when the NE is unable to send traps because the NE configuration is one of the following: - The Management IP Selection is set to Out Of Band Only, the Primary Route Preference is set to In Band, and the Secondary Route Preference is set to None. - The Management IP Selection is set to In Band Only, the Primary Route Preference is set to Out Of Band, and the Secondary Route Preference is set to None.		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Raising condition: (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
Clearing condition: (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND (('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND (('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND (('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND (('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND (('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band'))))		
Remedial action: A configuration error has been made which must be corrected. The configuration error must be corrected per the discussion in the description for this alarm.		

(2 of 2)

Table 29-119 TrapRoutePreferenceRedundancyMissing

Alarm	Attributes	Applicable major NE releases
Name: TrapRoutePreferenceRedundancyMissing (1084) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: trapsRedundancyMissing (823)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The user-defined alarm is raised when NE management redundancy is configured without trap route preference redundancy.		
Raising condition: (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
Clearing condition: (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Secondary Route Preference' NOT EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Secondary Route Preference' NOT EQUAL 'None'))))		
Remedial action: A configuration error has been made which must be corrected. The IP address of the standby SAM server must be configured on the NE in question.		

Table 29-120 UnidentifiedNode

Alarm	Attributes	Applicable major NE releases
Name: UnidentifiedNode (1922) Type: communicationsAlarm (4) Package: netw Raised on class: netw.DiscoveredNode	Severity: major Implicitly cleared: true Default probable cause: unidentifiedNode (922)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the node being discovered can not be properly identified.		
Raising condition: ('State' EQUAL 'Pending Identification')		
Clearing condition: ('State' NOT EQUAL 'Pending Identification')		
Remedial action: A configuration error has occurred that must be corrected. The eNodeB does not have a system name. The name can be configured by selecting the alarm, opening the associated properties form for the alarmed object and configuring the system name.		

Table 29-121 UnmanageFailed

Alarm	Attributes	Applicable major NE releases
Name: UnmanageFailed (300) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.NodeDiscoveryControl	Severity: warning Implicitly cleared: true Default probable cause: unableToDeleteNode (231)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when an attempt to unmanage an NE fails.		
Raising condition: ('Site State' EQUAL 'unmanage failed')		
Clearing condition: ('Site State' NOT EQUAL 'unmanage failed')		
Remedial action: Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 29-122 unsupportedPortUsage

Alarm	Attributes	Applicable major NE releases
Name: unsupportedPortUsage (5184) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: warning Implicitly cleared: true Default probable cause: incompatiblePortUsage (2100)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised in case unsupported port type is configured		
Raising condition: (('portId' >= '1L') AND ('portId' <= '4L') AND ('specificCardType' EQUAL 'EASv2') AND (('Port Usage' EQUAL 'MPT-HC') OR ('Port Usage' EQUAL 'MPT-MC')))"		
Clearing condition: NOT (((('portId' >= '1L') AND ('portId' <= '4L') AND ('specificCardType' EQUAL 'EASv2') AND (('Port Usage' EQUAL 'MPT-HC') OR ('Port Usage' EQUAL 'MPT-MC')))))"		
Remedial action: This alarm indicates unsupported port usage. Port usage configured on the NE is not supported by SAM.		

Table 29-123 UpgradedBuildVersionMismatch

Alarm	Attributes	Applicable major NE releases
Name: UpgradedBuildVersionMismatch (174) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: upgradedImageNotBooted (137)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the software version that an NE reports after a software upgrade does not match the version of the software used for the upgrade.		
Raising condition: ('upgradedBuildVersionMismatch' EQUAL 'true')		
Clearing condition: ('upgradedBuildVersionMismatch' EQUAL 'false')		
Remedial action: Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 29-124 upgradedCardAlarm

Alarm	Attributes	Applicable major NE releases
Name: upgradedCardAlarm (255) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: upgradedCard (194)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the standby CPM is rebooted and operational after a software upgrade. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
Raising condition: ('operationalState' EQUAL 'Upgrade')		
Clearing condition: ('operationalState' EQUAL 'Up')		
Remedial action: Informational - no corrective action required.		

Table 29-125 VersionConfigRestoreFailed

Alarm	Attributes	Applicable major NE releases
Name: VersionConfigRestoreFailed (536) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: versionMismatch (405)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the restore procedure on an NE fails because of a mismatch between the backup file set version and the NE software version.		
Raising condition: ('lastNmsVersionRestoreState' EQUAL 'Failure')		
Clearing condition: ('lastNmsVersionRestoreState' EQUAL 'Success')		
Remedial action: The backup files being restored do not match with the version of node software release. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

Table 29-126 VirtualLinkDown

Alarm	Attributes	Applicable major NE releases
Name: VirtualLinkDown (122) Type: VirtualLinkAlarm (21) Package: ospf Raised on class: ospf.VirtualLink	Severity: warning Implicitly cleared: true Default probable cause: VirtualLinkDown (104)	<ul style="list-style-type: none"> • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when a virtual link is Down.		
Raising condition: ('Operational State' EQUAL 'Down')		
Clearing condition: ('Operational State' NOT EQUAL 'Down')		
Remedial action: This alarm is raised when the OSPF virtual link is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 29-127 VirtualNeighborDown

Alarm	Attributes	Applicable major NE releases
Name: VirtualNeighborDown (123) Type: VirtualNeighborDown (22) Package: ospf Raised on classes: <ul style="list-style-type: none"> • ospf.ShamLink • ospf.VirtualLink 	Severity: warning Implicitly cleared: true Default probable cause: VirtualNeighborDown (105)	<ul style="list-style-type: none"> • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when a neighbor virtual link is operationally down.		
Raising condition: ('neighborCount' EQUAL '0L')		
Clearing condition: ('neighborCount' NOT EQUAL '0L')		
Remedial action: This alarm is raised when the OSPF neighbor virtual link is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 29-128 WrongCpaaSoftwareVersion

Alarm	Attributes	Applicable major NE releases
Name: WrongCpaaSoftwareVersion (791) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: wrongCpaaSoftwareVersion (559)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the 7701 CPAA software is the wrong version and requires an upgrade.		
Raising condition: (('Software Version' EQUAL '"TiMOS-B-3.0.Generic "') AND ('Chassis Type' EQUAL '7701 CPAA'))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: (('Software Version' NOT EQUAL '\TIMOS-B-3.0.Generic \') AND ('Chassis Type' EQUAL '7701 CPAA'))		
Remedial action: The SW version of the CPAA must be upgraded to the version compatible with CPAM version.		

(2 of 2)

30 — Alcatel-Lucent OS6900 alarms



Note — Some alarms that the 5620 SAM can raise against this device may not be listed in this chapter. Associating alarms with specific NE types is an ongoing Alcatel-Lucent effort. If the 5620 SAM raises an alarm against this device type, and the alarm is not described in this chapter, see chapter 35 for information about the alarm.

Table 30-1 AccessInterfaceDown

Alarm	Attributes	Applicable major NE releases
Name: AccessInterfaceDown (249) Type: AccessInterfaceAlarm (32) Package: service Raised on class: service.AccessInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when an L2 or L3 interface operational state is Down. The alarm is not raised against an L2 access interface that is associated with an MC ring or MC LAG in the standby state.		
Raising condition: (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'Standby For MC-Ring') AND ('State Cause' NOT EQUAL 'Standby For MC-Lag') AND ('State Cause' NOT EQUAL 'Standby For BGP Multi-homing'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'Standby For MC-Ring') OR ('State Cause' EQUAL 'Standby For MC-Lag') OR ('State Cause' EQUAL 'Standby For BGP Multi-homing'))		
Remedial action: The condition exists because the physical interface is down either because it is administratively disabled, faulty or a cabling fault has occurred. Ensure that the interface is administratively up. Check for a poor cable connection to the port or for a faulty cable/fiber. If neither appears to be the problem run diagnostics on the port to determine if it is faulty.		

Table 30-2 ActiveAbnormalCondition

Alarm	Attributes	Applicable major NE releases
Name: ActiveAbnormalCondition (3938) Type: activeAbnormalConditionAlarm (116) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ActiveAbnormalConditionState (1520)	<ul style="list-style-type: none"> • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is an indication for abnormal condition on NE.		
Raising condition: ('abnormalCondition' EQUAL 'true')		
Clearing condition: ('abnormalCondition' EQUAL 'false')		
Remedial action: This alarm is raised when there is a abnormal state indication on NE.		

Table 30-3 AGWDiameterPeerDown

Alarm	Attributes	Applicable major NE releases
Name: AGWDiameterPeerDown (844) Type: EpcAlarm (59) Package: lte Raised on class: lte.AGWDiameterPeer	Severity: variable Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the path management state of a Diameter peer changes to a state other than Up.		
Raising condition: ('Path Diameter Management State' NOT EQUAL 'Active')		
Clearing condition: ('Path Diameter Management State' EQUAL 'Active')		
Remedial action: A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

Table 30-4 AreaTypeMismatch

Alarm	Attributes	Applicable major NE releases
Name: AreaTypeMismatch (38) Type: configurationAlarm (11) Package: ospf Raised on class: ospf.Area	Severity: warning Implicitly cleared: true Default probable cause: areaTypeMisconfigured (34)	<ul style="list-style-type: none"> • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when an OSPF area on one NE is configured as an NSSA and the same OSPF area on another NE is configured as a stub area.		
Raising condition: ('Type Mismatch' EQUAL 'true')		
Clearing condition: ('Type Mismatch' EQUAL 'false')		
Remedial action: A configuration error has been made which must be corrected. The OSPF area type configured for the NE does not match with the same OSPF area configured on another NE. Compare the configuration on the endpoint and correct the mismatch.		

Table 30-5 AtcaFanFailure

Alarm	Attributes	Applicable major NE releases
Name: AtcaFanFailure (1124) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Fan	Severity: critical Implicitly cleared: true Default probable cause: fanFailure (116)	<ul style="list-style-type: none"> • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the associated fan is not operationally Up.		
Raising condition: (('operationalState' EQUAL 'Disabled') OR ('operationalState' EQUAL 'Down'))		
Clearing condition: (('operationalState' EQUAL 'Enabled') OR ('operationalState' EQUAL 'Up'))		
Remedial action: This alarm is raised if the fan speed falls below 500 rpm. If the alarm persists, replace the appropriate (upper or lower) fan tray.		

Table 30-6 AuxiliaryServerStatus

Alarm	Attributes	Applicable major NE releases
Name: AuxiliaryServerStatus (311) Type: communicationsAlarm (4) Package: server Raised on class: server.AuxiliaryServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when a 5620 SAM main server cannot communicate with an auxiliary server. The alarm clears when communication is restored.		
Raising condition: ('Server Status' EQUAL 'Down')		
Clearing condition: ('Server Status' EQUAL 'Up')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the AUX and SAM servers is unreliable.		

Table 30-7 BgpDown

Alarm	Attributes	Applicable major NE releases
Name: BgpDown (6) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when a BGP instance has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: The BGP protocol entity is down - administratively disable BGP and re-enable. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 30-8 BootableConfigBackupFailed

Alarm	Attributes	Applicable major NE releases
Name: BootableConfigBackupFailed (103) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the 5620 SAM fails to back up a set of NE configuration files.		
Raising condition: ('Backup State' EQUAL 'Failure')		
Clearing condition: ('Backup State' EQUAL 'Success')		
Remedial action: Investigation is required to resolve the following possible scenarios: insufficient disk space is available to accommodate the NE configuration files (additional SAM platform alarms will accompany this alarm); the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

Table 30-9 BootableConfigRestoreFailed

Alarm	Attributes	Applicable major NE releases
Name: BootableConfigRestoreFailed (104) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the 5620 SAM fails to restore a set of NE configuration files.		
Raising condition: ('Restore State' EQUAL 'Failure')		
Clearing condition: ('Restore State' EQUAL 'Success')		
Remedial action: Investigation is required to resolve the following possible scenarios: the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

Table 30-10 BootParametersMisconfigured

Alarm	Attributes	Applicable major NE releases
Name: BootParametersMisconfigured (35) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: persistentIndexFailure (30) Applicable probable causes: <ul style="list-style-type: none"> • persistentIndexFailure • configFileBootFailure 	<ul style="list-style-type: none"> • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the SNMP Index Boot Status on an NE is not set to Persistent.		
Raising condition: (('isGenericNode' EQUAL 'false') AND ('State' NOT EQUAL 'Pre-provisioned') AND (('Config File Status' NOT EQUAL 'Executed Successfully') OR ('Persistent Index Status' NOT EQUAL 'Rebuild Succeeded')))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: (('Config File Status' EQUAL 'Executed Successfully') AND ('Persistent Index Status' EQUAL 'Rebuild Succeeded'))		
Remedial action: Ensure that "SNMP Index Boot Status" is persistent (using cli command "show system information" on the NE). If not, unmanage the network element from SAM, ensure that "persist on" is set in the bof file, save the bof, save a config file, verify that an index file (.ndx) is saved as well, reboot the router, verify that SNMP Index Boot Status is persistent and finally remanage the router from SAM.		

(2 of 2)

Table 30-11 ClientDelegateServerStatus

Alarm	Attributes	Applicable major NE releases
Name: ClientDelegateServerStatus (731) Type: communicationsAlarm (4) Package: server Raised on class: server.ClientDelegateServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when a client delegate server is unreachable.		
Raising condition: ('Server Status' EQUAL 'Down')		
Clearing condition: ('Server Status' EQUAL 'Up')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the client delegate platform and SAM servers is unreliable or the client delegate server itself is unreliable.		

Table 30-12 ContainingEquipmentAdministrativelyDown

Alarm	Attributes	Applicable major NE releases
Name: ContainingEquipmentAdministrativelyDown (466) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: minor Implicitly cleared: true Default probable cause: containingEquipmentAdministrativelyDown (330)	<ul style="list-style-type: none"> • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentAdministrativelyDown.		
Raising condition: (('Status' EQUAL 'Parent Admin Down') AND ('isTerminatable' EQUAL 'true'))		
Clearing condition: (('Status' NOT EQUAL 'Parent Admin Down') OR ('isTerminatable' NOT EQUAL 'true'))		
Remedial action: Informational - no corrective action required.		

Table 30-13 ContainingEquipmentMismatch

Alarm	Attributes	Applicable major NE releases
Name: ContainingEquipmentMismatch (464) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentMismatch (328)	<ul style="list-style-type: none"> • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentMismatch.		
Raising condition: (('Status' EQUAL 'Parent Type Mismatch') AND ('isTerminatable' EQUAL 'true'))		
Clearing condition: (('Status' NOT EQUAL 'Parent Type Mismatch') OR ('isTerminatable' NOT EQUAL 'true'))		
Remedial action: A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

Table 30-14 ContainingEquipmentOperationallyDown

Alarm	Attributes	Applicable major NE releases
Name: ContainingEquipmentOperationallyDown (465) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentDown (329)	<ul style="list-style-type: none"> • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentOperationallyDown.		
Raising condition: (('Status' EQUAL 'Parent Oper Down') AND ('isTerminatable' EQUAL 'true'))		
Clearing condition: (('Status' NOT EQUAL 'Parent Oper Down') OR ('isTerminatable' NOT EQUAL 'true'))		
Remedial action: The operational state of the equipment element indicated in the alarm is down. This may be due to the element's administrative state or it may indicate that the element has failed.		

Table 30-15 CorruptImageFile

Alarm	Attributes	Applicable major NE releases
Name: CorruptImageFile (171) Type: configurationAlarm (11) Package: mediation Raised on class: mediation.AbstractSoftwareFolderDescriptor	Severity: critical Implicitly cleared: true Default probable cause: invalidOrCorruptImageFile (134)	<ul style="list-style-type: none"> • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when one or more files in the 5620 SAM software image specified for a device software upgrade is invalid, corrupt or absent. The 5620 SAM validates a device software file set before it imports the file set and distributes it to an NE. Ensure that the file set downloads properly to the NE and is not tampered with before you re-attempt the upgrade. The alarm clears when a valid file set is on the NE and the 5620 SAM activates the software image in the file set.		
Raising condition: ('isImageValid' EQUAL 'false')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: ('isImageValid' EQUAL 'true')		
Remedial action: The existing SW image in the SAM database should be replaced with an image that is known to be complete and valid.		

(2 of 2)

Table 30-16 DDMAux1HighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMAux1HighAlarm (495) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: aux1HighAlarm (381)	<ul style="list-style-type: none"> 7.3.1 7.3.2 7.3.3
Description: The alarm is raised when the manufacturer-specific Auxiliary 1 of the XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux1 High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux1 High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 30-17 DDMAux1HighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMAux1HighWarning (494) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: aux1HighWarning (380)	<ul style="list-style-type: none"> 7.3.1 7.3.2 7.3.3
Description: The alarm is raised when the manufacturer-specific Auxiliary 1 of the XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux1 High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux1 High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 30-18 DDMAux1LowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMAux1LowAlarm (493) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: aux1LowAlarm (379)	<ul style="list-style-type: none"> 7.3.1 7.3.2 7.3.3

(1 of 2)

30 – Alcatel-Lucent OS6900 alarms

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when the manufacturer-specific Auxiliary 1 of the XFP reaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux1 Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux1 Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

(2 of 2)

Table 30-19 DDMAux1LowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMAux1LowWarning (492) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: aux1LowWarning (378)	<ul style="list-style-type: none"> • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the manufacturer-specific Auxiliary 1 of the XFP approaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux1 Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux1 Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 30-20 DDMAux2HighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMAux2HighAlarm (499) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: aux2HighAlarm (385)	<ul style="list-style-type: none"> • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the manufacturer-specific Auxiliary 2 of the XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux2 High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux2 High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 30-21 DDMAux2HighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMAux2HighWarning (498) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: aux2HighWarning (384)	<ul style="list-style-type: none"> • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the manufacturer-specific Auxiliary 2 of the XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux2 High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux2 High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 30-22 DDMAux2LowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMAux2LowAlarm (497) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: aux2LowAlarm (383)	<ul style="list-style-type: none"> • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the manufacturer-specific Auxiliary 2 of the XFP reaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux2 Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux2 Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 30-23 DDMAux2LowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMAux2LowWarning (496) Type: communicationthresholdAlarmnsAlarm (50) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: aux2LowWarning (382)	<ul style="list-style-type: none"> • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the manufacturer-specific Auxiliary 2 of the XFP approaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux2 Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux2 Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 30-24 DDMRxOpticalPowerHighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMRxOpticalPowerHighAlarm (491) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: rxOpticalPowerHighAlarm (377)	<ul style="list-style-type: none"> • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the received optical power of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Rx Optical Power High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Rx Optical Power High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 30-25 DDMRxOpticalPowerHighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMRxOpticalPowerHighWarning (490) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: rxOpticalPowerHighWarning (376)	<ul style="list-style-type: none"> • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the received optical power of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Rx Optical Power High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Rx Optical Power High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 30-26 DDMRxOpticalPowerLowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMRxOpticalPowerLowAlarm (489) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: rxOpticalPowerLowAlarm (375)	<ul style="list-style-type: none"> • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the received optical power of an SFP or XFP reaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBit'Rx Optical Power Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Rx Optical Power Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 30-27 DDMRxOpticalPowerLowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMRxOpticalPowerLowWarning (488) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: rxOpticalPowerLowWarning (374)	<ul style="list-style-type: none"> • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the received optical power of an SFP or XFP approaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBitRx Optical Power Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBitRx Optical Power Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 30-28 DDMSupplyVoltageHighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMSupplyVoltageHighAlarm (479) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: supplyVoltageHighAlarm (365)	<ul style="list-style-type: none"> • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the supply voltage of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBitSupply Voltage High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBitSupply Voltage High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 30-29 DDMSupplyVoltageHighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMSupplyVoltageHighWarning (478) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: supplyVoltageHighWarning (364)	<ul style="list-style-type: none"> • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the supply voltage of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBitSupply Voltage High Warning')		
Clearing condition: NOT (('failedThresholds'anyBitSupply Voltage High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 30-30 DDMSupplyVoltageLowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMSupplyVoltageLowAlarm (477) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: supplyVoltageLowAlarm (363)	<ul style="list-style-type: none"> • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the supply voltage of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Supply Voltage Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Supply Voltage Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 30-31 DDMSupplyVoltageLowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMSupplyVoltageLowWarning (476) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: supplyVoltageLowWarning (362)	<ul style="list-style-type: none"> • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the supply voltage of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Supply Voltage Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Supply Voltage Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 30-32 DDMTemperatureHighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTemperatureHighAlarm (475) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: temperatureHighAlarm (361)	<ul style="list-style-type: none"> • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the temperature of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Temperature High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Temperature High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 30-33 DDMTemperatureHighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTemperatureHighWarning (474) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: temperatureHighWarning (360)	<ul style="list-style-type: none"> • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the temperature of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Temperature High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Temperature High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 30-34 DDMTemperatureLowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTemperatureLowAlarm (473) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: temperatureLowAlarm (359)	<ul style="list-style-type: none"> • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the temperature of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Temperature Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Temperature Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 30-35 DDMTemperatureLowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTemperatureLowWarning (472) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: temperatureLowWarning (358)	<ul style="list-style-type: none"> • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the temperature of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Temperature Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Temperature Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 30-36 DDMTxBiasCurrentHighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTxBiasCurrentHighAlarm (483) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: txBiasCurrentHighAlarm (369)	<ul style="list-style-type: none"> • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the transmit bias current of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Bias Current High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Bias Current High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 30-37 DDMTxBiasCurrentHighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTxBiasCurrentHighWarning (482) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: txBiasCurrentHighWarning (368)	<ul style="list-style-type: none"> • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the transmit bias current of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Bias Current High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Bias Current High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 30-38 DDMTxBiasCurrentLowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTxBiasCurrentLowAlarm (481) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: txBiasCurrentLowAlarm (367)	<ul style="list-style-type: none"> • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the transmit bias current of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Bias Current Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Bias Current Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 30-39 DDMTxBiasCurrentLowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTxBiasCurrentLowWarning (480) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: txBiasCurrentLowWarning (366)	<ul style="list-style-type: none"> • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the transmit bias current of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Bias Current Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Bias Current Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 30-40 DDMTxOutputPowerHighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTxOutputPowerHighAlarm (487) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: txOutputPowerHighAlarm (373)	<ul style="list-style-type: none"> • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the output power of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Output Power High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Output Power High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 30-41 DDMTxOutputPowerHighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTxOutputPowerHighWarning (486) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: txOutputPowerHighWarning (372)	<ul style="list-style-type: none"> • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the output power of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Output Power High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Output Power High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 30-42 DDMTxOutputPowerLowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTxOutputPowerLowAlarm (485) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: txOutputPowerLowAlarm (371)	<ul style="list-style-type: none"> • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the output power of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Output Power Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Output Power Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 30-43 DDMTxOutputPowerLowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTxOutputPowerLowWarning (484) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: txOutputPowerLowWarning (370)	<ul style="list-style-type: none"> • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the output power of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Output Power Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Output Power Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 30-44 downgradedCardAlarm

Alarm	Attributes	Applicable major NE releases
Name: downgradedCardAlarm (256) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: downgradedCard (195)	<ul style="list-style-type: none"> • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when an IOM is not upgraded or reset after a device software upgrade of both CPMs. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
Raising condition: ('operationalState' EQUAL 'Downgrade')		
Clearing condition: ('operationalState' EQUAL 'Up')		
Remedial action: Informational - no corrective action required.		

Table 30-45 EquipmentAdministrativelyDown

Alarm	Attributes	Applicable major NE releases
Name: EquipmentAdministrativelyDown (455) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: minor Implicitly cleared: true Default probable cause: equipmentAdministrativelyDown (326)	<ul style="list-style-type: none"> • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentAdministrativelyDown.		
Raising condition: ('compositeEquipmentState' EQUAL 'Admin Down')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Admin Down')		
Remedial action: Informational - no corrective action required.		

Table 30-46 EquipmentDegraded

Alarm	Attributes	Applicable major NE releases
Name: EquipmentDegraded (604) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: minor Implicitly cleared: true Default probable cause: singleFanFailure (450)	<ul style="list-style-type: none"> • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when a single fan fails. The chassis attempts to continue operating within the normal temperature range using only the remaining fans.		
Raising condition: ('Device State' EQUAL 'MinorFailure')		
Clearing condition: ('Device State' NOT EQUAL 'MinorFailure')		
Remedial action: The failed fan unit should be replaced.		

Table 30-47 EquipmentDown

Alarm	Attributes	Applicable major NE releases
Name: EquipmentDown (10) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: inoperableEquipment (8)	<ul style="list-style-type: none"> • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentOperationallyDown.		
Raising condition: ('compositeEquipmentState' EQUAL 'Oper Down')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Oper Down')		
Remedial action: This alarm indicates that a card in the NE has failed. The card must be replaced.		

Table 30-48 EquipmentFailure

Alarm	Attributes	Applicable major NE releases
Name: EquipmentFailure (145) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.ReplaceableUnit	Severity: critical Implicitly cleared: true Default probable cause: cardFailure (123)	<ul style="list-style-type: none"> • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when a control processor or power-supply tray reports a failure. When the object type is ControlProcessor, a CPM may be unable to boot. When the object type is Power Supply Tray and the alarm is raised during device discovery, a power-supply tray may be out of service. When the object type is a Power Supply Tray and the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
Raising condition: ('operationalState' EQUAL 'Failed')		
Clearing condition: ('operationalState' NOT EQUAL 'Failed')		
Remedial action: If the alarm indicates that the CPM card has a fault, remove the card and reset it. If this does not clear the alarm then please contact Alcatel-Lucent support for assistance. If the alarm indicates that the Power Supply tray is out of service ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 30-49 EquipmentInTest

Alarm	Attributes	Applicable major NE releases
Name: EquipmentInTest (11) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: warning Implicitly cleared: true Default probable cause: equipmentInTest (9)	<ul style="list-style-type: none"> • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when equipment enters a diagnostic state.		
Raising condition: ('compositeEquipmentState' EQUAL 'In Test')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'In Test')		
Remedial action: Informational - no corrective action required.		

Table 30-50 EquipmentMismatch

Alarm	Attributes	Applicable major NE releases
Name: EquipmentMismatch (9) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: equipmentTypeMismatch (7)	<ul style="list-style-type: none"> • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMismatch.		
Raising condition: ('compositeEquipmentState' EQUAL 'Type Mismatch')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Type Mismatch')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

(2 of 2)

Table 30-51 EquipmentRemoved

Alarm	Attributes	Applicable major NE releases
Name: EquipmentRemoved (8) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: replaceableEquipmentRemoved (6)	<ul style="list-style-type: none"> • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMissing.		
Raising condition: (('compositeEquipmentState' EQUAL 'Removed') AND ('isEquipmentInserted' EQUAL 'true'))		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Removed')		
Remedial action: Informational - this alarm is raised when a card is removed.		

Table 30-52 EthernetPortConfiguredLoopback

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortConfiguredLoopback (801) Type: configurationAlarm (11) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: warning Implicitly cleared: true Default probable cause: ethernetPortConfiguredLoopback (567)	<ul style="list-style-type: none"> • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when a timed loopback is in effect for an Ethernet port.		
Raising condition: (('Type' NOT EQUAL 'None'))		
Clearing condition: (('Type' EQUAL 'None'))		
Remedial action: This alarm has been raised by the node because "Timed Loopback" option of the specific port's Ethernet property has been enabled. To resolve this problem from "Ethernet" tab of "Physical Port" properties form configure "Timed Loopback" Type property as "None".		

Table 30-53 EthernetPortDuplicateLane

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortDuplicateLane (3557) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: DuplicateLane (1387)	<ul style="list-style-type: none"> • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when a device reports a Duplicate Lane on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 30-54 EthernetPortHighBer

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortHighBer (307) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when a device reports a high bit-error rate on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))		
Remedial action: One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 30-55 EthernetPortLocalFault

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortLocalFault (305) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: LocalFault (236)	<ul style="list-style-type: none"> • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when a device reports a local fault on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))))		
Remedial action: One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

(2 of 2)

Table 30-56 EthernetPortNoAmLock

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortNoAmLock (3558) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoAmLock (1388)	<ul style="list-style-type: none"> • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when a device reports a No Am Lock on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 30-57 EthernetPortNoBlockLock

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortNoBlockLock (3559) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoBlockLock (1389)	<ul style="list-style-type: none"> • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when a device reports a No Block Lock on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock'))))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 30-58 EthernetPortNoFrameLock

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortNoFrameLock (306) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoFrameLock (237)	<ul style="list-style-type: none"> • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when a device reports No Frame Lock on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock'))		
Remedial action: One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 30-59 EthernetPortRemoteFault

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortRemoteFault (304) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: RemoteFault (235)	<ul style="list-style-type: none"> • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when a device reports a remote fault on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault'))		
Remedial action: One of the following conditions exists on the remote physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 30-60 EthernetPortSignalFailure

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortSignalFailure (303) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: SignalFailure (234)	<ul style="list-style-type: none"> • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when a device reports a signal failure on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))))		
Remedial action: One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

(2 of 2)

Table 30-61 FanFailure

Alarm	Attributes	Applicable major NE releases
Name: FanFailure (624) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: fanFailure (116)	<ul style="list-style-type: none"> • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the associated fan is not operationally Up.		
Raising condition: (('Device State' EQUAL 'Failed') OR ('Device State' EQUAL 'Unknown') OR ('Device State' EQUAL 'OutOfService'))		
Clearing condition: ('Device State' EQUAL 'OK')		
Remedial action: Remove and reset the fan unit. If this does not resolve the problem replace the fan.		

Table 30-62 FanTrayRemoved

Alarm	Attributes	Applicable major NE releases
Name: FanTrayRemoved (569) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: FanTrayRemoved (438)	<ul style="list-style-type: none"> • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the deviceState attribute has a value of deviceNotEquipped.		
Raising condition: ('Device State' EQUAL 'Not Equipped')		
Clearing condition: ('Device State' NOT EQUAL 'Not Equipped')		
Remedial action: Informational - a fan tray has been removed from the NE.		

Table 30-63 FrameSizeProblem (netw)

Alarm	Attributes	Applicable major NE releases
Name: FrameSizeProblem (37) Type: configurationAlarm (11) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: frameSizeProblem (33)	<ul style="list-style-type: none"> • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when a provisioned MTU size value is greater than the supported MTU size value.		
Raising condition: (('mtuMismatch' EQUAL 'true') AND ('portId' NOT EQUAL '0L'))		
Clearing condition: (('mtuMismatch' EQUAL 'false') OR ('portId' EQUAL '0L'))		
Remedial action: A configuration error has been made which must be corrected. The MTU value must be changed such that is less than or equal to the supported MTU size value.		

Table 30-64 FrameSizeProblem (svt)

Alarm	Attributes	Applicable major NE releases
Name: FrameSizeProblem (37) Type: configurationAlarm (11) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: frameSizeProblem (33)	<ul style="list-style-type: none"> • 7.3.3
Description: The alarm is raised when a provisioned MTU size value is greater than the supported MTU size value.		
Raising condition: (('Operational State' EQUAL 'MTU Mismatch') OR ('Operational State' EQUAL 'Tunnel MTU Too Small'))		
Clearing condition: (('Operational State' NOT EQUAL 'MTU Mismatch') AND ('Operational State' NOT EQUAL 'Tunnel MTU Too Small'))		
Remedial action: The MTU value must be changed such that is is less than or equal to the supported MTU size value.		

Table 30-65 GaPeerDown

Alarm	Attributes	Applicable major NE releases
Name: GaPeerDown (3303) Type: EpcAlarm (59) Package: Iteggsn Raised on class: Iteggsn.GaPeer	Severity: major Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the path management state of a Ga peer changes to a state other than Up.		
Raising condition: ('Path Management State' NOT EQUAL 'Active')		
Clearing condition: ('Path Management State' EQUAL 'Active')		
Remedial action: A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

Table 30-66 IfVlanSubTypeConflict

Alarm	Attributes	Applicable major NE releases
Name: IfVlanSubTypeConflict (213) Type: configurationAlarm (11) Package: vlan Raised on class: vlan.L2AccessInterface	Severity: major Implicitly cleared: true Default probable cause: topologyMisconfigured (81)	<ul style="list-style-type: none"> • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when more than one type of VLAN service is configured with the same VLAN ID. The alarm is raised against an L2 access interface.		
Raising condition: ('vlanSubTypeConflict' EQUAL 'true')		
Clearing condition: ('vlanSubTypeConflict' EQUAL 'false')		
Remedial action: Ensure that only one type of VLAN Service is configured with the VLAN ID used by this Interface.		

Table 30-67 IgmpDown

Alarm	Attributes	Applicable major NE releases
Name: IgmpDown (158) Type: ProtocolAlarm (1) Package: igmp Raised on class: igmp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when an IGMP site has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: While configured under VPRN, check if VPRN site is admin down, or if route distinguisher is not configured.		

Table 30-68 IgmpSnoopingDown

Alarm	Attributes	Applicable major NE releases
Name: IgmpSnoopingDown (161) Type: ProtocolAlarm (1) Package: layer2 Raised on class: layer2.Bridge	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when IGMP snooping is disabled on an NE and a TLS VLAN or MVR VLAN service is provisioned on the NE.		
Raising condition: ('IGMP Snooping' EQUAL 'Disabled')		
Clearing condition: ('IGMP Snooping' EQUAL 'Enabled')		
Remedial action: To clear the alarm, enable IGMP Snooping under the Bridge Instance.		

Table 30-69 IncompleteConfiguration

Alarm	Attributes	Applicable major NE releases
Name: IncompleteConfiguration (1942) Type: operationalViolation (93) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: incompleteConfig (225)	<ul style="list-style-type: none"> • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when a pre-provisioned NE has no objects configured beneath it.		
Raising condition: (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' EQUAL '\'))		
Clearing condition: (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' NOT EQUAL '\'))		
Remedial action: A configuration error has been made which must be corrected. The configuration of the pre-provisioned NE is incomplete. A work order was not associated with the pre-provisioned NE and as a consequence the attempt to auto-configure the NE failed.		

Table 30-70 InterfaceDown (netw)

Alarm	Attributes	Applicable major NE releases
Name: InterfaceDown (36) Type: InterfaceAlarm (13) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when an interface or underlying resource fails, as indicated by an interface compositeState attribute value of failed or underlyingResourceFailed.		
Raising condition: (('compositeState' EQUAL 'Inoperable') OR ('compositeState' EQUAL 'Underlying Resource Inoperable'))		
Clearing condition: (('compositeState' NOT EQUAL 'Inoperable') AND ('compositeState' NOT EQUAL 'Underlying Resource Inoperable'))		
Remedial action: A physical port (physical interface, LAG, channel) associated with the network interface is not operation. Ensure that the interface is cabled and that there isn't a configuration error (i.e. MTU size set incorrectly) on the interface. Once the issue w		

Table 30-71 IsisDown

Alarm	Attributes	Applicable major NE releases
Name: IsisDown (19) Type: ProtocolAlarm (1) Package: isis Raised on class: isis.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when an IS-IS site has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: The protocol is not working anymore, could be a problem with IP addresses, resources on the device, ...		

(2 of 2)

Table 30-72 LabelProblem

Alarm	Attributes	Applicable major NE releases
Name: LabelProblem (98) Type: CircuitAlarm (17) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: labelProblem (84)	<ul style="list-style-type: none"> 7.3.3
Description: The alarm is raised when an ingress or an egress label is missing.		
Raising condition: (('Operational State' EQUAL 'No Egress Label') OR ('Operational State' EQUAL 'No Ingress Label') OR ('Operational State' EQUAL 'No Labels'))		
Clearing condition: (('Operational State' NOT EQUAL 'No Egress Label') AND ('Operational State' NOT EQUAL 'No Ingress Label') AND ('Operational State' NOT EQUAL 'No Labels'))		
Remedial action: An ingress or egress label is missing for the SDP binding.		

Table 30-73 LagDown

Alarm	Attributes	Applicable major NE releases
Name: LagDown (20) Type: equipmentAlarm (3) Package: lag Raised on class: lag.Interface	Severity: critical Implicitly cleared: true Default probable cause: lagDown (17)	<ul style="list-style-type: none"> 7.2.1 7.3.1 7.3.2 7.3.3
Description: The alarm is raised when all ports in a LAG are operationally down.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
Clearing condition: (('operationalState' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: This alarm indicates that all physical Ethernet links associated with a LAG are operationally down. The reasons for the links to be down may vary from link to link. The following possible causes of this alarm should be investigated. The physical port (near end or far end) may have failed - this can be remedied by replacing the interface card in question. The physical links may have been turned down administratively - re-enable the links. A cable failure or disconnect may have occurred - please ensure that the cables are properly connected to the physical port and that the cable has not been damaged.		

Table 30-74 LagPortAddFailed

Alarm	Attributes	Applicable major NE releases
Name: LagPortAddFailed (422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: warning Implicitly cleared: true Default probable cause: linkDown (315)	<ul style="list-style-type: none"> • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the Lag Port Add function Fails.		
Raising condition: (('state' EQUAL 'Link Down') AND ('LAG ID' > '0'))		
Clearing condition: (('state' NOT EQUAL 'Link Down') OR ('LAG ID' EQUAL '0'))		
Remedial action: A configuration error has occurred which must be corrected. The link that was to be added to the LAG group may be of the wrong type (i.e. non ethernet) or the limit of the number of links supported in a LAG may have been reached.		

Table 30-75 LicensedLimitExceeded

Alarm	Attributes	Applicable major NE releases
Name: LicensedLimitExceeded (127) Type: licensingAlarm (23) Package: security Raised on class: security.ProductLicense	Severity: critical Implicitly cleared: true Default probable cause: licensedLimitExceeded (106)	<ul style="list-style-type: none"> • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the license items in the network exceeds 100 percent of the license capacity.		
Raising condition: ('Exceeded' EQUAL 'true')		
Clearing condition: ('Exceeded' NOT EQUAL 'true')		
Remedial action: Informational - The number of SAM licenses purchased and available on the SAM server is insufficient as compared to the number of NEs/MDA/Cells under management in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

Table 30-76 LinkDown

Alarm	Attributes	Applicable major NE releases
Name: LinkDown (12) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: portLinkProblem (10)	<ul style="list-style-type: none"> • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when a port has no associated physical link or remote end point is operationally down.		
Raising condition: (('compositeEquipmentState' EQUAL 'Link Down') OR ('compositeEquipmentState' EQUAL 'Oper Down'))		
Clearing condition: (('compositeEquipmentState' NOT EQUAL 'Link Down') AND ('compositeEquipmentState' NOT EQUAL 'Oper Down'))		
Remedial action: Please make sure that port has physical link and remote end point is operationally up.		

Table 30-77 LowTemperatureDetected

Alarm	Attributes	Applicable major NE releases
Name: LowTemperatureDetected (1127) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOvercooled (838)	<ul style="list-style-type: none"> • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the chassis temperature falls below the minimum threshold.		
Raising condition: ('Low Temperature State' EQUAL 'Low')		
Clearing condition: ('Low Temperature State' NOT EQUAL 'Low')		
Remedial action: The NE has detected internal temperatures which are abnormally low. This may happen when the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 30-78 LowTemperatureThresholdCrossed

Alarm	Attributes	Applicable major NE releases
Name: LowTemperatureThresholdCrossed (1128) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Environment	Severity: major Implicitly cleared: true Default probable cause: equipmentOvercooled (838)	<ul style="list-style-type: none"> • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when a low-temperature threshold is crossed.		
Raising condition: ('lowTemperatureThresholdCrossed' EQUAL 'true')		
Clearing condition: ('lowTemperatureThresholdCrossed' EQUAL 'false')		
Remedial action: The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 30-79 LpsViolation

Alarm	Attributes	Applicable major NE releases
Name: LpsViolation (518) Type: learnedPortSecurityAlarm (51) Package: lps Raised on class: lps.LearnedPortSecurity	Severity: major Implicitly cleared: true Default probable cause: learnedPortSecurityViolation (393)	<ul style="list-style-type: none"> • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the 5620 SAM detects an LPS violation.		
Raising condition: ('Operational State' EQUAL 'Security Violated')		
Clearing condition: ('Operational State' EQUAL 'Down')		
Remedial action: Port reset is required to return the port to normal operation.		

Table 30-80 macMoveRateExceeded (service)

Alarm	Attributes	Applicable major NE releases
Name: macMoveRateExceeded (3690) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: minor Implicitly cleared: true Default probable cause: MacMoveRateExceeded (1429)	<ul style="list-style-type: none"> • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site.		
Raising condition: ('State Cause'anyBit'Relearn Limit Exceeded')		
Clearing condition: NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		
Remedial action: Informational.		

Table 30-81 macMoveRateExceededNonBlock (service)

Alarm	Attributes	Applicable major NE releases
Name: macMoveRateExceededNonBlock (4893) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: info Implicitly cleared: true Default probable cause: MacMoveRateExceededNonBlock (1951)	<ul style="list-style-type: none"> • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site when limitMacMove(sapTIsLimitMacMove) is set to 'nonBlocking'.		
Raising condition: ('State Cause'anyBit'Relearn Limit Exceeded')		
Clearing condition: NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		
Remedial action: Informational - User can adjust the value of 'MAC Move Maximum Rate' to reduce the frequency of this alarm.		

Table 30-82 MepAISReceivedAlarm

Alarm	Attributes	Applicable major NE releases
Name: MepAISReceivedAlarm (2945) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: variable Implicitly cleared: true Default probable cause: missingRemoteMep (388)	<ul style="list-style-type: none"> • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when a MEP Receives AIS test frames from one or more of its sub-layer MEPs.		
Raising condition: (('AIS Received (AisRx)' EQUAL 'true') AND ('Facility VLAN ID' EQUAL '0'))		
Clearing condition: ('AIS Received (AisRx)' EQUAL 'false')		
Remedial action: This alarm indicates that it has received a MEP fault from a sub-layer MEP, user should investigate the fault cause on the sub-layer MEP and resolve this root cause issue.		

Table 30-83 MobileConnectorDown

Alarm	Attributes	Applicable major NE releases
Name: MobileConnectorDown (1064) Type: EpcAlarm (59) Package: Iteservice Raised on class: Iteservice.MobileServiceConnector	Severity: minor Implicitly cleared: true Default probable cause: EpcDown (519)	<ul style="list-style-type: none"> • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the 5620 SAM no longer manages the EPS path instance of this mobile service site. As a result, the service must be regenerated.		
Raising condition: ('EPS Path' EQUAL '\\"')"		
Clearing condition: ('EPS Path' NOT EQUAL '\\"')"		
Remedial action: The underlying transport network has gone down resulting in the deletion of a mobile service connector (EPS path). Correct the issue with the transport network and regenerate the mobile service connector by clicking on the re-calculate button on the mobile service properties form.		

Table 30-84 MvrSiteDown

Alarm	Attributes	Applicable major NE releases
Name: MvrSiteDown (162) Type: ProtocolAlarm (1) Package: layer2 Raised on class: layer2.MvrSite	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when MVR is disabled on an NE and a TLS VLAN or MVR VLAN service is provisioned on the NE.		
Raising condition: ('MVR Admin Status' EQUAL 'Disabled')		
Clearing condition: ('MVR Admin Status' EQUAL 'Enabled')		
Remedial action: To clear the alarm, enable MVR Admin Status under the Bridge Instance.		

Table 30-85 NeighborDown

Alarm	Attributes	Applicable major NE releases
Name: NeighborDown (121) Type: NeighborDown (20) Package: ospf Raised on class: ospf.AbstractNeighbor	Severity: major Implicitly cleared: true Default probable cause: NeighborDown (103)	<ul style="list-style-type: none"> • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when an OSPF interface neighbor is operationally Down.		
Raising condition: ('Operational State' NOT EQUAL 'full')		
Clearing condition: ('Operational State' EQUAL 'full')		

(1 of 2)

30 – Alcatel-Lucent OS6900 alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: This alarm is raised when the OSPF interface neighbor is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

(2 of 2)

Table 30-86 NeManagementAndTrapManagementMismatch

Alarm	Attributes	Applicable major NE releases
Name: NeManagementAndTrapManagementMismatch (1079) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: neManagementChange (817)	<ul style="list-style-type: none"> 7.2.1 7.3.1 7.3.2 7.3.3
Description: This user-defined alarm is raised when the NE configuration is one of the following: - The Active Management IP is set to Out Of Band, and the Primary Route Preference is set to In Band. - The Active Management IP is set to In Band, and the Primary Route Preference is set to Out of Band.		
Raising condition: (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only')) AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only')) AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'Out Of Band'))))		
Clearing condition: (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only')) AND ('Primary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only')) AND ('Primary Route Preference' EQUAL 'Out Of Band'))))		
Remedial action: A configuration error has been made which must be corrected. The parameters described in the description for this alarm must match.		

Table 30-87 NewSsh2ServerKeyDetected

Alarm	Attributes	Applicable major NE releases
Name: NewSsh2ServerKeyDetected (285) Type: communicationsAlarm (4) Package: security Raised on class: security.KnownHostKey	Severity: warning Implicitly cleared: true Default probable cause: ssh2ServerKeyMismatch (217)	<ul style="list-style-type: none"> 7.2.1 7.3.1 7.3.2 7.3.3
Description: The alarm is raised when a 5620 SAM main server detects a new public SSH key.		
Raising condition: ('SSH2 Server Key Status' EQUAL 'Mismatch SSH2 Host Key')		
Clearing condition: ('SSH2 Server Key Status' EQUAL 'Active SSH2 Host Key')		
Remedial action: Informational - possible security breach. The SSH key of the router is different from the one known to the SAM server.		

Table 30-88 NodeDatabaseFallbackDetected

Alarm	Attributes	Applicable major NE releases
Name: NodeDatabaseFallbackDetected (2923) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseFallback (1121)	<ul style="list-style-type: none"> • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when a configuration fallback is detected on the node and comes back up with a previous configuration. To correct this situation it might be necessary to reconfigure the node, or perform full resync its database with the 'fallback' configuration returned by the node.		
Raising condition: ('State' EQUAL 'Node Configuration Fallback')		
Clearing condition: ('State' EQUAL 'Managed')		
Remedial action: the NE has come back to a previous configuration. Perform a manual Full Resync or a Reconfigure of the NE		

Table 30-89 NodeDatabaseMisalignmentDetected

Alarm	Attributes	Applicable major NE releases
Name: NodeDatabaseMisalignmentDetected (2924) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseMisalignment (1122)	<ul style="list-style-type: none"> • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when a configuration misalignment has been detected on the node and comes back up with an unexpected configuration (configuration change triggered by external tool) To correct this situation it might be necessary to reconfigure the node with the 5620 SAM's old configuration or accept the new configuration received from the node.		
Raising condition: ('State' EQUAL 'Node Configuration Misalignment')		
Clearing condition: ('State' EQUAL 'Managed')		
Remedial action: the NE configuration is misaligned. Perform a resync in order to update SAM configuration according to the NE.		

Table 30-90 NodeSuspended

Alarm	Attributes	Applicable major NE releases
Name: NodeSuspended (5123) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: NodeSuspend (2057)	<ul style="list-style-type: none"> • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the 5620 SAM detects an NE moved to suspend state as per user request.		
Raising condition: ('SNMP Reachability' EQUAL 'Suspended')		
Clearing condition: ('SNMP Reachability' NOT EQUAL 'Suspended')		
Remedial action: This alarm is raised when user suspends the network element. The alarm will be cleared when the network element is managed back.		

Table 30-91 OrphanNodeDetected

Alarm	Attributes	Applicable major NE releases
Name: OrphanNodeDetected (4866) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.AdvertisedNode	Severity: major Implicitly cleared: true Default probable cause: nodeNotManagedByAnyEms (1934)	<ul style="list-style-type: none"> • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when node is node managed by any EMS after n retries(threshold crossed) it is manually cleared by the operator or when the node is discovered.		
Raising condition: ('state' EQUAL 'orphan')		
Remedial action: The NE is not managed by any SAM.Add an discory rule in order to managed it.		

Table 30-92 OspflInterfaceDown

Alarm	Attributes	Applicable major NE releases
Name: OspflInterfaceDown (141) Type: OspflInterfaceDown (24) Package: ospf Raised on class: ospf.Interface	Severity: warning Implicitly cleared: true Default probable cause: OspflInterfaceDown (112)	<ul style="list-style-type: none"> • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when an OSPF interface is operationally down.		
Raising condition: ('operationalState' EQUAL 'Down')		
Clearing condition: ('operationalState' NOT EQUAL 'Down')		
Remedial action: This alarm is raised when the OSPF interface is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 30-93 OverTemperatureDetected

Alarm	Attributes	Applicable major NE releases
Name: OverTemperatureDetected (388) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the chassis temperature exceeds the maximum threshold value.		
Raising condition: ('Over Temperature State' EQUAL 'Over')		
Clearing condition: ('Over Temperature State' NOT EQUAL 'Over')		
Remedial action: The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 30-94 PartialResyncProblem

Alarm	Attributes	Applicable major NE releases
Name: PartialResyncProblem (4401) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: partialResyncProblem (1578)	<ul style="list-style-type: none"> • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when an Partial Resync on an NE fails. For example, when resyncing only some MIB entries as opposed to a full resync. The periodic reachability test (sysUpTime) is not considered a partial resync, neither is a full resync. However, a PartialResyncProblem alarm can only be reset by a FullResync.		
Raising condition: ('partialResyncStatus' EQUAL 'Partial Resync Failed')		
Clearing condition: ('partialResyncStatus' EQUAL 'Partial Resync Done')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE.		

Table 30-95 PersistentIndexParametersMisconfigured

Alarm	Attributes	Applicable major NE releases
Name: PersistentIndexParametersMisconfigured (173) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: persistentIndexConfigurationMismatch (136)	<ul style="list-style-type: none"> • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when persistence is set to Off in the NE BOF.		
Raising condition: (('Persistent SNMP Indices' EQUAL 'False') OR (('hasRedundantProcessorCards' EQUAL 'true') AND ('Redundant Synchronization Mode' EQUAL 'None')))		
Clearing condition: (('Persistent SNMP Indices' EQUAL 'True') AND (('hasRedundantProcessorCards' EQUAL 'false') OR ('Redundant Synchronization Mode' NOT EQUAL 'None')))		
Remedial action: A configuration error has occurred that must be corrected. Use the CLI on the NE to enable persistency in the BOF. The discovery process will complete on the next discovery scan. A re-scan can be triggered immediately for the NE from within the discovery manager		

Table 30-96 PimDown

Alarm	Attributes	Applicable major NE releases
Name: PimDown (184) Type: ProtocolAlarm (1) Package: pim Raised on class: pim.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when a PIM site is administratively Up but operationally Down. The alarm is cleared when the PIM site becomes operationally Up but administratively Down.		

(1 of 2)

30 – Alcatel-Lucent OS6900 alarms

Alarm	Attributes	Applicable major NE releases
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: This should never happen. Contact Alcatel-Lucent Customer Support for assistance.		

(2 of 2)

Table 30-97 PollerProblem

Alarm	Attributes	Applicable major NE releases
Name: PollerProblem (31) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: resyncFailed (24)	<ul style="list-style-type: none"> • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
Raising condition: ('Resync Status' EQUAL 'Full Resync Failed')		
Clearing condition: ('Resync Status' EQUAL 'Full Resync Done')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 30-98 PowerSupplyFailure

Alarm	Attributes	Applicable major NE releases
Name: PowerSupplyFailure (633) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: critical Implicitly cleared: true Default probable cause: powerSupplyFailure (117)	<ul style="list-style-type: none"> • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when a power-supply tray reports a failure. When the alarm is raised during device discovery, a power-supply tray may be out of service. When the alarm is raised while the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
Raising condition: (('Power Supply 1 Status' EQUAL 'Not Equipped') OR ('Power Supply 1 Status' EQUAL 'Failed'))		
Clearing condition: (('Power Supply 1 Status' EQUAL 'OK'))		
Remedial action: Ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 30-99 PowerSupplyInputFeedDown

Alarm	Attributes	Applicable major NE releases
Name: PowerSupplyInputFeedDown (5422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: minor Implicitly cleared: true Default probable cause: powerSupplyInputFeedDown (2073)	<ul style="list-style-type: none"> • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: This alarm is generated if any one of the input feeds for a given power supply is not supplying power.		
Raising condition: (('Input Feed Status' EQUAL 'Input A Down') OR ('Input Feed Status' EQUAL 'Input B Down') OR (('Input Feed Status'allBits'Input A Down') AND ('Input Feed Status'allBits'Input B Down'))		
Clearing condition: ('Input Feed Status' EQUAL 'None')		
Remedial action: Restore all of the input feeds that are not supplying power.		

Table 30-100 PowerSupplyRemoved

Alarm	Attributes	Applicable major NE releases
Name: PowerSupplyRemoved (542) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: major Implicitly cleared: true Default probable cause: PowerSupplyRemoved (415)	<ul style="list-style-type: none"> • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when a chassis power supply is removed.		
Raising condition: ('Power Supply 1 Status' EQUAL 'Not Equipped')		
Clearing condition: ('Power Supply 1 Status' NOT EQUAL 'Not Equipped')		
Remedial action: To recover from this event, the customer is requested to add a new power supply to the system, or change a faulty power supply with a working one.		

Table 30-101 PrimaryImageBootFailure

Alarm	Attributes	Applicable major NE releases
Name: PrimaryImageBootFailure (191) Type: configurationAlarm (11) Package: sw Raised on class: sw.CardSoftware	Severity: warning Implicitly cleared: true Default probable cause: bootOptionFileMisconfigured (150)	<ul style="list-style-type: none"> • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the primary software image specified in an NE BOF is unusable.		
Raising condition: (('imageSource' NOT EQUAL 'Primary') AND ('imageSource' NOT EQUAL 'Unknown'))		
Clearing condition: (('imageSource' EQUAL 'Primary') OR ('imageSource' EQUAL 'Unknown'))		
Remedial action: The SW image on the NE may have been inadvertently corrupted. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

Table 30-102 RadiusOperStatusDown

Alarm	Attributes	Applicable major NE releases
Name: RadiusOperStatusDown (3692) Type: radiusOperStatusDownAlarm (105) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: radiusOperationStatusDown (1431)	<ul style="list-style-type: none"> • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when all RADIUS servers have gone down.		
Raising condition: ('Global RADIUS Operational State' EQUAL 'Down')		
Clearing condition: ('Global RADIUS Operational State' EQUAL 'Up')		
Remedial action: Verify the RADIUS server is properly configured and radius server state is up. Check the connectivity between SAM server and radius server configured on the Network element.		

Table 30-103 ReachabilityProblem

Alarm	Attributes	Applicable major NE releases
Name: ReachabilityProblem (243) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ReachabilityTestFailed (176)	<ul style="list-style-type: none"> • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when an Mediation poll of the SysUpTimeAlarm object on an NE fails, for example, because of network congestion or because the NE is too busy to respond. The probable cause is an unreachable NE Mediation agent on the NE. By default, the 5620 SAM polls a managed NE every two minutes. If a poll fails, the alarm is raised. The 5620 SAM polls the NE two minutes after the first failure. If successive polls fail, the 5620 SAM raises the polling interval for the NE by two minutes after each failure to a maximum of 12 min. The polling interval remains at 12 min until the 5620 SAM receives a response from the NE. The alarm clears when the 5620 SAM receives a response from the NE, and the 5620 SAM GUI icon that represents the NE turns from red to green.		
Raising condition: ('SNMP Reachability' EQUAL 'Down')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 30-104 ReconfigFailure

Alarm	Attributes	Applicable major NE releases
Name: ReconfigFailure (1949) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: failedReconfig (937)	<ul style="list-style-type: none"> • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: This alarm is raised when the reconfig action failed.		
Raising condition: ('State' EQUAL 'Failed')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: ('State' NOT EQUAL 'Failed')		
Remedial action: Verify that the object is configured as expected.		

(2 of 2)

Table 30-105 RedundantMepMisconfiguration

Alarm	Attributes	Applicable major NE releases
Name: RedundantMepMisconfiguration (3631) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: minor Implicitly cleared: true Default probable cause: misconfiguredRedundantMep (1416)	<ul style="list-style-type: none"> • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when an Active and Redundant MEP do not have the same Id, Operational MAC Address or Sub Group configured.		
Raising condition: ('validRedundantMepConfig' EQUAL 'false')		
Clearing condition: ('validRedundantMepConfig' EQUAL 'true')		
Remedial action: MC-LAG redundant MEP configuration (MEP ID or Mac Address) for Active & Standby Interfaces do not match, this could cause issues with CFM or CCM tests if Active interface changes. Delete and Re-create Standby MEP to match Active.		

Table 30-106 RedundantMepMissing

Alarm	Attributes	Applicable major NE releases
Name: RedundantMepMissing (3632) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: minor Implicitly cleared: true Default probable cause: missingRedundantMep (1417)	<ul style="list-style-type: none"> • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when a MEP misses a redundant counterpart on LAG or SAP.		
Raising condition: (('MC-LAG Inactive' NOT EQUAL 'Not Applicable') AND ('Redundant MEP' EQUAL '\'))		
Clearing condition: (('MC-LAG Inactive' EQUAL 'Not Applicable') OR (('MC-LAG Inactive' NOT EQUAL 'Not Applicable') AND ('Redundant MEP' NOT EQUAL '\')))		
Remedial action: MC-LAG redundant MEP is missing Active & Standby Interfaces, this will cause issues with CFM or CCM tests if Active interface changes. Create missing Active/Standby MEP to match existing.		

Table 30-107 RemoteMepCCMAAlarm

Alarm	Attributes	Applicable major NE releases
Name: RemoteMepCCMAAlarm (502) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: major Implicitly cleared: true Default probable cause: missingRemoteMep (388)	<ul style="list-style-type: none"> • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when a MEP loses connectivity with one or more remote MEPs. The Remote MEP DB State tab on a MEP lists the missing remote MEPs.		
Raising condition: ('High-Priority Defect' NOT EQUAL '0')		
Clearing condition: ('High-Priority Defect' EQUAL '0')		
Remedial action: MEP has lost communication with Remote MEP defined in Maintenance Association (MEG) Remote MEP list, Either Remote MEP list is incorrect or diagnose connection fault and resolve.		

Table 30-108 RipDown

Alarm	Attributes	Applicable major NE releases
Name: RipDown (72) Type: ProtocolAlarm (1) Package: rip Raised on class: rip.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when a RIP site has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: The RIP Site is down while it is administratively up. Please check the node e.g. IOM is not shutdown or installed.		

Table 30-109 SaveConfigFailed

Alarm	Attributes	Applicable major NE releases
Name: SaveConfigFailed (105) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileAccessError (90)	<ul style="list-style-type: none"> • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the admin save command on an NE fails.		
Raising condition: ('Config Save State' EQUAL 'Failure')		
Clearing condition: ('Config Save State' EQUAL 'Success')		
Remedial action: Attempt the admin save command a second time. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 30-110 ScheduledPollerProblem

Alarm	Attributes	Applicable major NE releases
Name: ScheduledPollerProblem (4386) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: scheduledResyncFailed (1569)	<ul style="list-style-type: none"> 7.2.1 7.3.1 7.3.2 7.3.3
Description: The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
Raising condition: ('Scheduled Resync Status' EQUAL 'Scheduled Resync Failed')		
Clearing condition: ('Scheduled Resync Status' EQUAL 'Scheduled Resync Done')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 30-111 SdpBindingDown

Alarm	Attributes	Applicable major NE releases
Name: SdpBindingDown (221) Type: SdpBindingAlarm (30) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: SdpBindingNotReady (166)	<ul style="list-style-type: none"> 7.3.3
Description: The alarm is raised when an SDP binding has an Operational State other than Up.		
Raising condition: (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'Standby For BGP Multi-Homing'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'Standby For BGP Multi-Homing'))		
Remedial action: To resolve this alarm check the SDP binding to determine if a configuration mismatch exists. If configuration is determined to be correct then the associated network interface may be down. Further investigation is required to determine why the underlying network interface is down.		

Table 30-112 SdpBindingTunnelDown

Alarm	Attributes	Applicable major NE releases
Name: SdpBindingTunnelDown (222) Type: CircuitAlarm (17) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: SdpTunnelNotReady (167)	<ul style="list-style-type: none"> 7.3.3
Description: The alarm is raised when an SDP binding tunnel has an Operational State other than Up.		
Raising condition: (('Operational State' EQUAL 'Tunnel Not Ready') OR ('Operational State' EQUAL 'Tunnel Down'))		
Clearing condition: (('Operational State' NOT EQUAL 'Tunnel Not Ready') AND ('Operational State' NOT EQUAL 'Tunnel Down'))		

(1 of 2)

30 – Alcatel-Lucent OS6900 alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: To resolve this alarm check the endpoints of the SDP binding to determine if a configuration mismatch exists. If configuration matches then the underlying network resource between the endpoints of the SDP may be down. Further investigation is required to determine why the underlying transport network is down.		

(2 of 2)

Table 30-113 ServiceSiteDown

Alarm	Attributes	Applicable major NE releases
Name: ServiceSiteDown (97) Type: serviceAlarm (16) Package: service Raised on class: service.Site	Severity: critical Implicitly cleared: true Default probable cause: siteDown (83)	<ul style="list-style-type: none"> • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when all SAPs on a site are operationally down, or when the service tunnels for the site are operationally down.		
Raising condition: (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'All Spoke SDP Bindings are Standby'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'All Spoke SDP Bindings are Standby'))		
Remedial action: The network resources (i.e. physical ports for SAPs, or physical ports/LSP) associated with the service site should be examined to determine if/why they are operationally down. The underlying transport network supporting the site may also be unreliable.		

Table 30-114 SiteManagementVlanConflict

Alarm	Attributes	Applicable major NE releases
Name: SiteManagementVlanConflict (223) Type: configurationAlarm (11) Package: vlan Raised on class: vlan.Site	Severity: warning Implicitly cleared: true Default probable cause: topologyMisconfigured (81)	<ul style="list-style-type: none"> • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the management VLAN ID is used for another type of service.		
Raising condition: ('managementVlanConflict' EQUAL 'true')		
Clearing condition: ('managementVlanConflict' EQUAL 'false')		
Remedial action: Ensure that the VLAN ID of this Management Service Site is not used on any other type of VLAN Service Site.		

Table 30-115 SiteVlanSubTypeConflict

Alarm	Attributes	Applicable major NE releases
Name: SiteVlanSubTypeConflict (224) Type: configurationAlarm (11) Package: vlan Raised on class: vlan.Site	Severity: major Implicitly cleared: true Default probable cause: topologyMisconfigured (81)	<ul style="list-style-type: none"> • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when more than one type of VLAN service has the same VLAN ID. The alarm is raised against a site.		
Raising condition: ('vlanSubTypeConflict' EQUAL 'true')		
Clearing condition: ('vlanSubTypeConflict' EQUAL 'false')		
Remedial action: Ensure that only one type of VLAN Service is configured with the VLAN ID used by this Site.		

Table 30-116 SpbSiteDown

Alarm	Attributes	Applicable major NE releases
Name: SpbSiteDown (4396) Type: ProtocolAlarm (1) Package: spb Raised on class: spb.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 7.3.3
Description: The alarm is raised when an SPB site has an Operational State other than Up.		
Raising condition: ('Operational State' NOT EQUAL 'Up')		
Clearing condition: ('Operational State' EQUAL 'Up')		
Remedial action: Check if the administrative state is down. If the administrative state is up, then check the ISIS instance associated with the SPB and make sure it is up.		

Table 30-117 StatsRetrieveFailed

Alarm	Attributes	Applicable major NE releases
Name: StatsRetrieveFailed (244) Type: configurationAlarm (11) Package: sw Raised on class: sw.AccountingStatsRetrievalManager	Severity: major Implicitly cleared: false Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the 5620 SAM main or auxiliary server cannot transfer an accounting file from an NE.		
Raising condition: (('Stats Retrieval State' NOT EQUAL 'Success') AND ('Stats Retrieval State' NOT EQUAL 'Not Attempted'))		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy or otherwise cannot respond to the 5620 SAM main or auxiliary server.		

Table 30-118 SubscriberSystemNextHopUsageHigh

Alarm	Attributes	Applicable major NE releases
Name: SubscriberSystemNextHopUsageHigh (5157) Type: thresholdCrossed (6) Package: netw Raised on class: netw.NetworkElement	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit.		
Raising condition: ('IP Next Hop Usage High' EQUAL 'true')		
Clearing condition: ('IP Next Hop Usage High' EQUAL 'false')		
Remedial action: The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit. There is no immediate effect, but when the usage actually hits the limit, new hosts will not get their managed routes.		

Table 30-119 TemperatureThresholdCrossed

Alarm	Attributes	Applicable major NE releases
Name: TemperatureThresholdCrossed (7) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Environment	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when a temperature crosses a threshold.		
Raising condition: ('temperatureThresholdCrossed' EQUAL 'true')		
Clearing condition: ('temperatureThresholdCrossed' EQUAL 'false')		
Remedial action: The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 30-120 TmnxEqPortEtherLoopDetected

Alarm	Attributes	Applicable major NE releases
Name: TmnxEqPortEtherLoopDetected (461) Type: portEtherLoopDetected (48) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when a device detects a physical loop on an Ethernet port.		
Raising condition: (('Down When Looped Status' EQUAL 'Loop Detected'))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: (('Down When Looped Status' EQUAL 'No Loop Detected'))		
Remedial action: An Ethernet port has been mis-cabled - please remove the loopback cable on the port.		

(2 of 2)

Table 30-121 TrapDestinationMisconfigured

Alarm	Attributes	Applicable major NE releases
Name: TrapDestinationMisconfigured (33) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: trapDestinationMisconfigured (26) Applicable probable causes: <ul style="list-style-type: none"> trapDestinationMisconfigured duplicateTrapLogId 	<ul style="list-style-type: none"> 7.2.1 7.3.1 7.3.2 7.3.3
Description: The alarm is raised when the 5620 SAM cannot be added to the NE's SNMP trap destinations.		
Raising condition: ('isTrapDestinationMisconfigured' EQUAL 'true')		
Clearing condition: ('isTrapDestinationMisconfigured' EQUAL 'false')		
Remedial action: A configuration error has been made which must be corrected. The SNMP trap destination on the NE must be configured to the IP address of the SAM server.		

Table 30-122 TrapReceivingFailure

Alarm	Attributes	Applicable major NE releases
Name: TrapReceivingFailure (1083) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: false Default probable cause: trapsWillNotBeSent (822)	<ul style="list-style-type: none"> 7.2.1 7.3.1 7.3.2 7.3.3
Description: This user-defined alarm is raised when the NE is unable to send traps because the NE configuration is one of the following: - The Management IP Selection is set to Out Of Band Only, the Primary Route Preference is set to In Band, and the Secondary Route Preference is set to None. - The Management IP Selection is set to In Band Only, the Primary Route Preference is set to Out Of Band, and the Secondary Route Preference is set to None.		
Raising condition: (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		

(1 of 2)

30 – Alcatel-Lucent OS6900 alarms

Alarm	Attributes	Applicable major NE releases
Clearing condition: (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND (('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND (('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND (('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band') AND (('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND (('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND (('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band'))))		
Remedial action: A configuration error has been made which must be corrected. The configuration error must be corrected per the discussion in the description for this alarm.		

(2 of 2)

Table 30-123 TrapRoutePreferenceRedundancyMissing

Alarm	Attributes	Applicable major NE releases
Name: TrapRoutePreferenceRedundancyMissing (1084) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: trapsRedundancyMissing (823)	<ul style="list-style-type: none"> 7.2.1 7.3.1 7.3.2 7.3.3
Description: The user-defined alarm is raised when NE management redundancy is configured without trap route preference redundancy.		
Raising condition: (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
Clearing condition: (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Secondary Route Preference' NOT EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Secondary Route Preference' NOT EQUAL 'None'))))		
Remedial action: A configuration error has been made which must be corrected. The IP address of the standby SAM server must be configured on the NE in question.		

Table 30-124 UnidentifiedNode

Alarm	Attributes	Applicable major NE releases
Name: UnidentifiedNode (1922) Type: communicationsAlarm (4) Package: netw Raised on class: netw.DiscoveredNode	Severity: major Implicitly cleared: true Default probable cause: unidentifiedNode (922)	<ul style="list-style-type: none"> 7.2.1 7.3.1 7.3.2 7.3.3
Description: The alarm is raised when the node being discovered can not be properly identified.		
Raising condition: ('State' EQUAL 'Pending Identification')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: ('State' NOT EQUAL 'Pending Identification')		
Remedial action: A configuration error has occurred that must be corrected. The eNodeB does not have a system name. The name can be configured by selecting the alarm, opening the associated properties form for the alarmed object and configuring the system name.		

(2 of 2)

Table 30-125 UnmanageFailed

Alarm	Attributes	Applicable major NE releases
Name: UnmanageFailed (300) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.NodeDiscoveryControl	Severity: warning Implicitly cleared: true Default probable cause: unableToDeleteNode (231)	<ul style="list-style-type: none"> • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when an attempt to unmanage an NE fails.		
Raising condition: ('Site State' EQUAL 'unmanage failed')		
Clearing condition: ('Site State' NOT EQUAL 'unmanage failed')		
Remedial action: Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 30-126 unsupportedPortUsage

Alarm	Attributes	Applicable major NE releases
Name: unsupportedPortUsage (5184) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: warning Implicitly cleared: true Default probable cause: incompatiblePortUsage (2100)	<ul style="list-style-type: none"> • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised in case unsupported port type is configured		
Raising condition: (('portId' >= '1L') AND ('portId' <= '4L') AND ('specificCardType' EQUAL 'EASv2') AND (('Port Usage' EQUAL 'MPT-HC') OR ('Port Usage' EQUAL 'MPT-MC')))"		
Clearing condition: NOT (((('portId' >= '1L') AND ('portId' <= '4L') AND ('specificCardType' EQUAL 'EASv2') AND (('Port Usage' EQUAL 'MPT-HC') OR ('Port Usage' EQUAL 'MPT-MC')))))"		
Remedial action: This alarm indicates unsupported port usage. Port usage configured on the NE is not supported by SAM.		

Table 30-127 UpgradedBuildVersionMismatch

Alarm	Attributes	Applicable major NE releases
Name: UpgradedBuildVersionMismatch (174) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: upgradedImageNotBooted (137)	<ul style="list-style-type: none"> • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the software version that an NE reports after a software upgrade does not match the version of the software used for the upgrade.		
Raising condition: ('upgradedBuildVersionMismatch' EQUAL 'true')		
Clearing condition: ('upgradedBuildVersionMismatch' EQUAL 'false')		
Remedial action: Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 30-128 upgradedCardAlarm

Alarm	Attributes	Applicable major NE releases
Name: upgradedCardAlarm (255) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: upgradedCard (194)	<ul style="list-style-type: none"> • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the standby CPM is rebooted and operational after a software upgrade. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
Raising condition: ('operationalState' EQUAL 'Upgrade')		
Clearing condition: ('operationalState' EQUAL 'Up')		
Remedial action: Informational - no corrective action required.		

Table 30-129 VersionConfigRestoreFailed

Alarm	Attributes	Applicable major NE releases
Name: VersionConfigRestoreFailed (536) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: versionMismatch (405)	<ul style="list-style-type: none"> • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the restore procedure on an NE fails because of a mismatch between the backup file set version and the NE software version.		
Raising condition: ('lastNmsVersionRestoreState' EQUAL 'Failure')		
Clearing condition: ('lastNmsVersionRestoreState' EQUAL 'Success')		
Remedial action: The backup files being restored do not match with the version of node software release. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

Table 30-130 VirtualLinkDown

Alarm	Attributes	Applicable major NE releases
Name: VirtualLinkDown (122) Type: VirtualLinkAlarm (21) Package: ospf Raised on class: ospf.VirtualLink	Severity: warning Implicitly cleared: true Default probable cause: VirtualLinkDown (104)	<ul style="list-style-type: none"> • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when a virtual link is Down.		
Raising condition: ('Operational State' EQUAL 'Down')		
Clearing condition: ('Operational State' NOT EQUAL 'Down')		
Remedial action: This alarm is raised when the OSPF virtual link is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 30-131 VirtualNeighborDown

Alarm	Attributes	Applicable major NE releases
Name: VirtualNeighborDown (123) Type: VirtualNeighborDown (22) Package: ospf Raised on classes: <ul style="list-style-type: none"> • ospf.ShamLink • ospf.VirtualLink 	Severity: warning Implicitly cleared: true Default probable cause: VirtualNeighborDown (105)	<ul style="list-style-type: none"> • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when a neighbor virtual link is operationally down.		
Raising condition: ('neighborCount' EQUAL '0L')		
Clearing condition: ('neighborCount' NOT EQUAL '0L')		
Remedial action: This alarm is raised when the OSPF neighbor virtual link is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 30-132 WrongCpaaSoftwareVersion

Alarm	Attributes	Applicable major NE releases
Name: WrongCpaaSoftwareVersion (791) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: wrongCpaaSoftwareVersion (559)	<ul style="list-style-type: none"> • 7.2.1 • 7.3.1 • 7.3.2 • 7.3.3
Description: The alarm is raised when the 7701 CPAA software is the wrong version and requires an upgrade.		
Raising condition: (('Software Version' EQUAL '"TiMOS-B-3.0.Generic "') AND ('Chassis Type' EQUAL '7701 CPAA'))		

(1 of 2)

30 – Alcatel-Lucent OS6900 alarms

Alarm	Attributes	Applicable major NE releases
Clearing condition: (('Software Version' NOT EQUAL '\TIMOS-B-3.0.Generic \') AND ('Chassis Type' EQUAL '7701 CPAA'))		
Remedial action: The SW version of the CPAA must be upgraded to the version compatible with CPAM version.		

(2 of 2)

31 — Alcatel-Lucent OS9600 alarms



Note — Some alarms that the 5620 SAM can raise against this device may not be listed in this chapter. Associating alarms with specific NE types is an ongoing Alcatel-Lucent effort. If the 5620 SAM raises an alarm against this device type, and the alarm is not described in this chapter, see chapter 35 for information about the alarm.

Table 31-1 AccessInterfaceDown

Alarm	Attributes	Applicable major NE releases
Name: AccessInterfaceDown (249) Type: AccessInterfaceAlarm (32) Package: service Raised on class: service.AccessInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when an L2 or L3 interface operational state is Down. The alarm is not raised against an L2 access interface that is associated with an MC ring or MC LAG in the standby state.		
Raising condition: (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'Standby For MC-Ring') AND ('State Cause' NOT EQUAL 'Standby For MC-Lag') AND ('State Cause' NOT EQUAL 'Standby For BGP Multi-homing'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'Standby For MC-Ring') OR ('State Cause' EQUAL 'Standby For MC-Lag') OR ('State Cause' EQUAL 'Standby For BGP Multi-homing'))		
Remedial action: The condition exists because the physical interface is down either because it is administratively disabled, faulty or a cabling fault has occurred. Ensure that the interface is administratively up. Check for a poor cable connection to the port or for a faulty cable/fiber. If neither appears to be the problem run diagnostics on the port to determine if it is faulty.		

Table 31-2 ActiveAbnormalCondition

Alarm	Attributes	Applicable major NE releases
Name: ActiveAbnormalCondition (3938) Type: activeAbnormalConditionAlarm (116) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ActiveAbnormalConditionState (1520)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is an indication for abnormal condition on NE.		
Raising condition: ('abnormalCondition' EQUAL 'true')		
Clearing condition: ('abnormalCondition' EQUAL 'false')		
Remedial action: This alarm is raised when there is a abnormal state indication on NE.		

Table 31-3 AGWDiameterPeerDown

Alarm	Attributes	Applicable major NE releases
Name: AGWDiameterPeerDown (844) Type: EpcAlarm (59) Package: lte Raised on class: lte.AGWDiameterPeer	Severity: variable Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when the path management state of a Diameter peer changes to a state other than Up.		
Raising condition: ('Path Diameter Management State' NOT EQUAL 'Active')		
Clearing condition: ('Path Diameter Management State' EQUAL 'Active')		
Remedial action: A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

Table 31-4 AuxiliaryServerStatus

Alarm	Attributes	Applicable major NE releases
Name: AuxiliaryServerStatus (311) Type: communicationsAlarm (4) Package: server Raised on class: server.AuxiliaryServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when a 5620 SAM main server cannot communicate with an auxiliary server. The alarm clears when communication is restored.		
Raising condition: ('Server Status' EQUAL 'Down')		
Clearing condition: ('Server Status' EQUAL 'Up')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the AUX and SAM servers is unreliable.		

Table 31-5 BgpDown

Alarm	Attributes	Applicable major NE releases
Name: BgpDown (6) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when a BGP instance has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: The BGP protocol entity is down - administratively disable BGP and re-enable. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 31-6 BootableConfigBackupFailed

Alarm	Attributes	Applicable major NE releases
Name: BootableConfigBackupFailed (103) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when the 5620 SAM fails to back up a set of NE configuration files.		
Raising condition: ('Backup State' EQUAL 'Failure')		
Clearing condition: ('Backup State' EQUAL 'Success')		
Remedial action: Investigation is required to resolve the following possible scenarios: insufficient disk space is available to accommodate the NE configuration files (additional SAM platform alarms will accompany this alarm); the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

Table 31-7 BootableConfigRestoreFailed

Alarm	Attributes	Applicable major NE releases
Name: BootableConfigRestoreFailed (104) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when the 5620 SAM fails to restore a set of NE configuration files.		
Raising condition: ('Restore State' EQUAL 'Failure')		
Clearing condition: ('Restore State' EQUAL 'Success')		

(1 of 2)

31 – Alcatel-Lucent OS9600 alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: Investigation is required to resolve the following possible scenarios: the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

(2 of 2)

Table 31-8 BootParametersMisconfigured

Alarm	Attributes	Applicable major NE releases
Name: BootParametersMisconfigured (35) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: persistentIndexFailure (30) Applicable probable causes: <ul style="list-style-type: none"> • persistentIndexFailure • configFileBootFailure 	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when the SNMP Index Boot Status on an NE is not set to Persistent.		
Raising condition: (('isGenericNode' EQUAL 'false') AND ('State' NOT EQUAL 'Pre-provisioned') AND (('Config File Status' NOT EQUAL 'Executed Successfully') OR ('Persistent Index Status' NOT EQUAL 'Rebuild Succeeded')))		
Clearing condition: (('Config File Status' EQUAL 'Executed Successfully') AND ('Persistent Index Status' EQUAL 'Rebuild Succeeded'))		
Remedial action: Ensure that "SNMP Index Boot Status" is persistent (using cli command "show system information" on the NE). If not, unmanage the network element from SAM, ensure that "persist on" is set in the bof file, save the bof, save a config file, verify that an index file (.ndx) is saved as well, reboot the router, verify that SNMP Index Boot Status is persistent and finally remanage the router from SAM.		

Table 31-9 ClientDelegateServerStatus

Alarm	Attributes	Applicable major NE releases
Name: ClientDelegateServerStatus (731) Type: communicationsAlarm (4) Package: server Raised on class: server.ClientDelegateServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when a client delegate server is unreachable.		
Raising condition: ('Server Status' EQUAL 'Down')		
Clearing condition: ('Server Status' EQUAL 'Up')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the client delegate platform and SAM servers is unreliable or the client delegate server itself is unreliable.		

Table 31-10 ContainingEquipmentAdministrativelyDown

Alarm	Attributes	Applicable major NE releases
Name: ContainingEquipmentAdministrativelyDown (466) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: minor Implicitly cleared: true Default probable cause: containingEquipmentAdministrativelyDown (330)	<ul style="list-style-type: none"> 6.3.4 6.4.2 6.4.3
Description: The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentAdministrativelyDown.		
Raising condition: (('Status' EQUAL 'Parent Admin Down') AND ('isTerminatable' EQUAL 'true'))		
Clearing condition: (('Status' NOT EQUAL 'Parent Admin Down') OR ('isTerminatable' NOT EQUAL 'true'))		
Remedial action: Informational - no corrective action required.		

Table 31-11 ContainingEquipmentMismatch

Alarm	Attributes	Applicable major NE releases
Name: ContainingEquipmentMismatch (464) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentMismatch (328)	<ul style="list-style-type: none"> 6.3.4 6.4.2 6.4.3
Description: The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentMismatch.		
Raising condition: (('Status' EQUAL 'Parent Type Mismatch') AND ('isTerminatable' EQUAL 'true'))		
Clearing condition: (('Status' NOT EQUAL 'Parent Type Mismatch') OR ('isTerminatable' NOT EQUAL 'true'))		
Remedial action: A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

Table 31-12 ContainingEquipmentOperationallyDown

Alarm	Attributes	Applicable major NE releases
Name: ContainingEquipmentOperationallyDown (465) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentDown (329)	<ul style="list-style-type: none"> 6.3.4 6.4.2 6.4.3
Description: The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentOperationallyDown.		
Raising condition: (('Status' EQUAL 'Parent Oper Down') AND ('isTerminatable' EQUAL 'true'))		
Clearing condition: (('Status' NOT EQUAL 'Parent Oper Down') OR ('isTerminatable' NOT EQUAL 'true'))		

(1 of 2)

31 – Alcatel-Lucent OS9600 alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: The operational state of the equipment element indicated in the alarm is down. This may be due to the element's administrative state or it may indicate that the element has failed.		

(2 of 2)

Table 31-13 CorruptImageFile

Alarm	Attributes	Applicable major NE releases
Name: CorruptImageFile (171) Type: configurationAlarm (11) Package: mediation Raised on class: mediation.AbstractSoftwareFolderDescriptor	Severity: critical Implicitly cleared: true Default probable cause: invalidOrCorruptImageFile (134)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when one or more files in the 5620 SAM software image specified for a device software upgrade is invalid, corrupt or absent. The 5620 SAM validates a device software file set before it imports the file set and distributes it to an NE. Ensure that the file set downloads properly to the NE and is not tampered with before you re-attempt the upgrade. The alarm clears when a valid file set is on the NE and the 5620 SAM activates the software image in the file set.		
Raising condition: ('isImageValid' EQUAL 'false')		
Clearing condition: ('isImageValid' EQUAL 'true')		
Remedial action: The existing SW image in the SAM database should be replaced with an image that is known to be complete and valid.		

Table 31-14 downgradedCardAlarm

Alarm	Attributes	Applicable major NE releases
Name: downgradedCardAlarm (256) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: downgradedCard (195)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when an IOM is not upgraded or reset after a device software upgrade of both CPMs. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
Raising condition: ('operationalState' EQUAL 'Downgrade')		
Clearing condition: ('operationalState' EQUAL 'Up')		
Remedial action: Informational - no corrective action required.		

Table 31-15 EquipmentAdministrativelyDown

Alarm	Attributes	Applicable major NE releases
Name: EquipmentAdministrativelyDown (455) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: minor Implicitly cleared: true Default probable cause: equipmentAdministrativelyDown (326)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentAdministrativelyDown.		
Raising condition: ('compositeEquipmentState' EQUAL 'Admin Down')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Admin Down')		
Remedial action: Informational - no corrective action required.		

Table 31-16 EquipmentDegraded

Alarm	Attributes	Applicable major NE releases
Name: EquipmentDegraded (604) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: minor Implicitly cleared: true Default probable cause: singleFanFailure (450)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when a single fan fails. The chassis attempts to continue operating within the normal temperature range using only the remaining fans.		
Raising condition: ('Device State' EQUAL 'MinorFailure')		
Clearing condition: ('Device State' NOT EQUAL 'MinorFailure')		
Remedial action: The failed fan unit should be replaced.		

Table 31-17 EquipmentDown

Alarm	Attributes	Applicable major NE releases
Name: EquipmentDown (10) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: inoperableEquipment (8)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentOperationallyDown.		
Raising condition: ('compositeEquipmentState' EQUAL 'Oper Down')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Oper Down')		
Remedial action: This alarm indicates that a card in the NE has failed. The card must be replaced.		

Table 31-18 EquipmentFailure

Alarm	Attributes	Applicable major NE releases
Name: EquipmentFailure (145) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.ReplaceableUnit	Severity: critical Implicitly cleared: true Default probable cause: cardFailure (123)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when a control processor or power-supply tray reports a failure. When the object type is ControlProcessor, a CPM may be unable to boot. When the object type is Power Supply Tray and the alarm is raised during device discovery, a power-supply tray may be out of service. When the object type is a Power Supply Tray and the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
Raising condition: ('operationalState' EQUAL 'Failed')		
Clearing condition: ('operationalState' NOT EQUAL 'Failed')		
Remedial action: If the alarm indicates that the CPM card has a fault, remove the card and reset it. If this does not clear the alarm then please contact Alcatel-Lucent support for assistance. If the alarm indicates that the Power Supply tray is out of service ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 31-19 EquipmentInTest

Alarm	Attributes	Applicable major NE releases
Name: EquipmentInTest (11) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: warning Implicitly cleared: true Default probable cause: equipmentInTest (9)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when equipment enters a diagnostic state.		
Raising condition: ('compositeEquipmentState' EQUAL 'In Test')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'In Test')		
Remedial action: Informational - no corrective action required.		

Table 31-20 EquipmentMismatch

Alarm	Attributes	Applicable major NE releases
Name: EquipmentMismatch (9) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: equipmentTypeMismatch (7)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMismatch.		
Raising condition: ('compositeEquipmentState' EQUAL 'Type Mismatch')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Type Mismatch')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

(2 of 2)

Table 31-21 EquipmentRemoved

Alarm	Attributes	Applicable major NE releases
Name: EquipmentRemoved (8) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: replaceableEquipmentRemoved (6)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMissing.		
Raising condition: (('compositeEquipmentState' EQUAL 'Removed') AND ('isEquipmentInserted' EQUAL 'true'))		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Removed')		
Remedial action: Informational - this alarm is raised when a card is removed.		

Table 31-22 EthernetPortConfiguredLoopback

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortConfiguredLoopback (801) Type: configurationAlarm (11) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: warning Implicitly cleared: true Default probable cause: ethernetPortConfiguredLoopback (567)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when a timed loopback is in effect for an Ethernet port.		
Raising condition: (('Type' NOT EQUAL 'None'))		
Clearing condition: (('Type' EQUAL 'None'))		
Remedial action: This alarm has been raised by the node because "Timed Loopback" option of the specific port's Ethernet property has been enabled. To resolve this problem from "Ethernet" tab of "Physical Port" properties form configure "Timed Loopback" Type property as "None".		

Table 31-23 EthernetPortDuplicateLane

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortDuplicateLane (3557) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: DuplicateLane (1387)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when a device reports a Duplicate Lane on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 31-24 EthernetPortHighBer

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortHighBer (307) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when a device reports a high bit-error rate on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))		
Remedial action: One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 31-25 EthernetPortLocalFault

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortLocalFault (305) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: LocalFault (236)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when a device reports a local fault on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))))		
Remedial action: One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

(2 of 2)

Table 31-26 EthernetPortNoAmLock

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortNoAmLock (3558) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoAmLock (1388)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when a device reports a No Am Lock on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 31-27 EthernetPortNoBlockLock

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortNoBlockLock (3559) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoBlockLock (1389)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when a device reports a No Block Lock on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock'))))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 31-28 EthernetPortNoFrameLock

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortNoFrameLock (306) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoFrameLock (237)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when a device reports No Frame Lock on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock'))		
Remedial action: One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 31-29 EthernetPortRemoteFault

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortRemoteFault (304) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: RemoteFault (235)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when a device reports a remote fault on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault'))		
Remedial action: One of the following conditions exists on the remote physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 31-30 EthernetPortSignalFailure

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortSignalFailure (303) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: SignalFailure (234)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when a device reports a signal failure on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))))		
Remedial action: One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

(2 of 2)

Table 31-31 FanFailure

Alarm	Attributes	Applicable major NE releases
Name: FanFailure (624) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: fanFailure (116)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when the associated fan is not operationally Up.		
Raising condition: (('Device State' EQUAL 'Failed') OR ('Device State' EQUAL 'Unknown') OR ('Device State' EQUAL 'OutOfService'))		
Clearing condition: ('Device State' EQUAL 'OK')		
Remedial action: Remove and reset the fan unit. If this does not resolve the problem replace the fan.		

Table 31-32 FanTrayRemoved

Alarm	Attributes	Applicable major NE releases
Name: FanTrayRemoved (569) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: FanTrayRemoved (438)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when the deviceState attribute has a value of deviceNotEquipped.		
Raising condition: ('Device State' EQUAL 'Not Equipped')		
Clearing condition: ('Device State' NOT EQUAL 'Not Equipped')		
Remedial action: Informational - a fan tray has been removed from the NE.		

Table 31-33 FrameSizeProblem (netw)

Alarm	Attributes	Applicable major NE releases
Name: FrameSizeProblem (37) Type: configurationAlarm (11) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: frameSizeProblem (33)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when a provisioned MTU size value is greater than the supported MTU size value.		
Raising condition: (('mtuMismatch' EQUAL 'true') AND ('portId' NOT EQUAL 'OL'))		
Clearing condition: (('mtuMismatch' EQUAL 'false') OR ('portId' EQUAL 'OL'))		
Remedial action: A configuration error has been made which must be corrected. The MTU value must be changed such that is less than or equal to the supported MTU size value.		

Table 31-34 GaPeerDown

Alarm	Attributes	Applicable major NE releases
Name: GaPeerDown (3303) Type: EpcAlarm (59) Package: Iteggns Raised on class: Iteggns.GaPeer	Severity: major Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when the path management state of a Ga peer changes to a state other than Up.		
Raising condition: ('Path Management State' NOT EQUAL 'Active')		
Clearing condition: ('Path Management State' EQUAL 'Active')		
Remedial action: A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

Table 31-35 IfVlanSubTypeConflict

Alarm	Attributes	Applicable major NE releases
Name: IfVlanSubTypeConflict (213) Type: configurationAlarm (11) Package: vlan Raised on class: vlan.L2AccessInterface	Severity: major Implicitly cleared: true Default probable cause: topologyMisconfigured (81)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when more than one type of VLAN service is configured with the same VLAN ID. The alarm is raised against an L2 access interface.		
Raising condition: ('vlanSubTypeConflict' EQUAL 'true')		
Clearing condition: ('vlanSubTypeConflict' EQUAL 'false')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: Ensure that only one type of VLAN Service is configured with the VLAN ID used by this Interface.		

(2 of 2)

Table 31-36 IgmpDown

Alarm	Attributes	Applicable major NE releases
Name: IgmpDown (158) Type: ProtocolAlarm (1) Package: igmp Raised on class: igmp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when an IGMP site has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: While configured under VPRN, check if VPRN site is admin down, or if route distinguisher is not configured.		

Table 31-37 IgmpSnoopingDown

Alarm	Attributes	Applicable major NE releases
Name: IgmpSnoopingDown (161) Type: ProtocolAlarm (1) Package: layer2 Raised on class: layer2.Bridge	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when IGMP snooping is disabled on an NE and a TLS VLAN or MVR VLAN service is provisioned on the NE.		
Raising condition: ('IGMP Snooping' EQUAL 'Disabled')		
Clearing condition: ('IGMP Snooping' EQUAL 'Enabled')		
Remedial action: To clear the alarm, enable IGMP Snooping under the Bridge Instance.		

Table 31-38 IncompleteConfiguration

Alarm	Attributes	Applicable major NE releases
Name: IncompleteConfiguration (1942) Type: operationalViolation (93) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: incompleteConfig (225)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when a pre-provisioned NE has no objects configured beneath it.		

(1 of 2)

31 – Alcatel-Lucent OS9600 alarms

Alarm	Attributes	Applicable major NE releases
Raising condition: (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' EQUAL '\'))		
Clearing condition: (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' NOT EQUAL '\'))		
Remedial action: A configuration error has been made which must be corrected. The configuration of the pre-provisioned NE is incomplete. A work order was not associated with the pre-provisioned NE and as a consequence the attempt to auto-configure the NE failed.		

(2 of 2)

Table 31-39 InterfaceDown (netw)

Alarm	Attributes	Applicable major NE releases
Name: InterfaceDown (36) Type: InterfaceAlarm (13) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when an interface or underlying resource fails, as indicated by an interface compositeState attribute value of failed or underlyingResourceFailed.		
Raising condition: (('compositeState' EQUAL 'Inoperable') OR ('compositeState' EQUAL 'Underlying Resource Inoperable'))		
Clearing condition: (('compositeState' NOT EQUAL 'Inoperable') AND ('compositeState' NOT EQUAL 'Underlying Resource Inoperable'))		
Remedial action: A physical port (physical interface, LAG, channel) associated with the network interface in not operation. Ensure that the interface is cabled and that there isn't a configuration error (i.e. MTU size set incorrectly) on the interface. Once the issue w		

Table 31-40 IsisDown

Alarm	Attributes	Applicable major NE releases
Name: IsisDown (19) Type: ProtocolAlarm (1) Package: isis Raised on class: isis.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when an IS-IS site has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: The protocol is not working anymore, could be a problem with IP addresses, resources on the device, ...		

Table 31-41 LagDown

Alarm	Attributes	Applicable major NE releases
Name: LagDown (20) Type: equipmentAlarm (3) Package: lag Raised on class: lag.Interface	Severity: critical Implicitly cleared: true Default probable cause: lagDown (17)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when all ports in a LAG are operationally down.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
Clearing condition: (('operationalState' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: This alarm indicates that all physical Ethernet links associated with a LAG are operationally down. The reasons for the links to be down may vary from link to link. The following possible causes of this alarm should be investigated. The physical port (near end or far end may have failed - this can be remedied by replacing the interface card in question. The physical links may have been turned down administratively - re-enable the links. A cable failure or disconnect may have occurred - please ensure that the cables are properly connected to the physical port and and that the cable has not been damaged.		

Table 31-42 LagPortAddFailed

Alarm	Attributes	Applicable major NE releases
Name: LagPortAddFailed (422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: warning Implicitly cleared: true Default probable cause: linkDown (315)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when the Lag Port Add function Fails.		
Raising condition: (('state' EQUAL 'Link Down') AND ('LAG ID' > '0'))		
Clearing condition: (('state' NOT EQUAL 'Link Down') OR ('LAG ID' EQUAL '0'))		
Remedial action: A configuration error has occurred which must be corrected. The link that was to be added to the LAG group may be of the wrong type (i.e. non ethernet) or the limit of the number of links supported in a LAG may have been reached.		

Table 31-43 LicensedLimitExceeded

Alarm	Attributes	Applicable major NE releases
Name: LicensedLimitExceeded (127) Type: licensingAlarm (23) Package: security Raised on class: security.ProductLicense	Severity: critical Implicitly cleared: true Default probable cause: licensedLimitExceeded (106)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when the license items in the network exceeds 100 percent of the license capacity.		
Raising condition: ('Exceeded' EQUAL 'true')		
Clearing condition: ('Exceeded' NOT EQUAL 'true')		

(1 of 2)

31 – Alcatel-Lucent OS9600 alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: Informational - The number of SAM licenses purchased and available on the SAM server is insufficient as compared to the number of NEs/MDA/Cells under management in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

(2 of 2)

Table 31-44 LinkDown

Alarm	Attributes	Applicable major NE releases
Name: LinkDown (12) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: portLinkProblem (10)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when a port has no associated physical link or remote end point is operationally down.		
Raising condition: (('compositeEquipmentState' EQUAL 'Link Down') OR ('compositeEquipmentState' EQUAL 'Oper Down'))		
Clearing condition: (('compositeEquipmentState' NOT EQUAL 'Link Down') AND ('compositeEquipmentState' NOT EQUAL 'Oper Down'))		
Remedial action: Please make sure that port has physical link and remote end point is operationally up.		

Table 31-45 LowTemperatureDetected

Alarm	Attributes	Applicable major NE releases
Name: LowTemperatureDetected (1127) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOvercooled (838)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when the chassis temperature falls below the minimum threshold.		
Raising condition: ('Low Temperature State' EQUAL 'Low')		
Clearing condition: ('Low Temperature State' NOT EQUAL 'Low')		
Remedial action: The NE has detected internal temperatures which are abnormally low. This may happen when the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 31-46 LowTemperatureThresholdCrossed

Alarm	Attributes	Applicable major NE releases
Name: LowTemperatureThresholdCrossed (1128) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Environment	Severity: major Implicitly cleared: true Default probable cause: equipmentOvercooled (838)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when a low-temperature threshold is crossed.		
Raising condition: ('lowTemperatureThresholdCrossed' EQUAL 'true')		
Clearing condition: ('lowTemperatureThresholdCrossed' EQUAL 'false')		
Remedial action: The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 31-47 LpsViolation

Alarm	Attributes	Applicable major NE releases
Name: LpsViolation (518) Type: learnedPortSecurityAlarm (51) Package: lps Raised on class: lps.LearnedPortSecurity	Severity: major Implicitly cleared: true Default probable cause: learnedPortSecurityViolation (393)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when the 5620 SAM detects an LPS violation.		
Raising condition: ('Operational State' EQUAL 'Security Violated')		
Clearing condition: ('Operational State' EQUAL 'Down')		
Remedial action: Port reset is required to return the port to normal operation.		

Table 31-48 macMoveRateExceeded (service)

Alarm	Attributes	Applicable major NE releases
Name: macMoveRateExceeded (3690) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: minor Implicitly cleared: true Default probable cause: MacMoveRateExceeded (1429)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site.		
Raising condition: ('State Cause'anyBit'Relearn Limit Exceeded')		
Clearing condition: NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		
Remedial action: Informational.		

Table 31-49 macMoveRateExceededNonBlock (service)

Alarm	Attributes	Applicable major NE releases
Name: macMoveRateExceededNonBlock (4893) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: info Implicitly cleared: true Default probable cause: MacMoveRateExceededNonBlock (1951)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site when limitMacMove(sapTlsLimitMacMove) is set to 'nonBlocking'.		
Raising condition: ('State Cause'anyBit'Relearn Limit Exceeded')		
Clearing condition: NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		
Remedial action: Informational - User can adjust the value of 'MAC Move Maximum Rate' to reduce the frequency of this alarm.		

Table 31-50 MepAISReceivedAlarm

Alarm	Attributes	Applicable major NE releases
Name: MepAISReceivedAlarm (2945) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: variable Implicitly cleared: true Default probable cause: missingRemoteMep (388)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when a MEP Receives AIS test frames from one or more of its sub-layer MEPs.		
Raising condition: (('AIS Received (AisRx)' EQUAL 'true') AND ('Facility VLAN ID' EQUAL '0'))		
Clearing condition: ('AIS Received (AisRx)' EQUAL 'false')		
Remedial action: This alarm indicates that it has received a MEP fault from a sub-layer MEP, user should investigate the fault cause on the sub-layer MEP and resolve this root cause issue.		

Table 31-51 MobileConnectorDown

Alarm	Attributes	Applicable major NE releases
Name: MobileConnectorDown (1064) Type: EpcAlarm (59) Package: Iteservice Raised on class: Iteservice.MobileServiceConnector	Severity: minor Implicitly cleared: true Default probable cause: EpcDown (519)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when the 5620 SAM no longer manages the EPS path instance of this mobile service site. As a result, the service must be regenerated.		
Raising condition: ('EPS Path' EQUAL '\\"')'		
Clearing condition: ('EPS Path' NOT EQUAL '\\"')'		
Remedial action: The underlying transport network has gone down resulting in the deletion of a mobile service connector (EPS path). Correct the issue with the transport network and regenerate the mobile service connector by clicking on the re-calculate button on the mobile service properties form.		

Table 31-52 MvrSiteDown

Alarm	Attributes	Applicable major NE releases
Name: MvrSiteDown (162) Type: ProtocolAlarm (1) Package: layer2 Raised on class: layer2.MvrSite	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> 6.3.4 6.4.2 6.4.3
Description: The alarm is raised when MVR is disabled on an NE and a TLS VLAN or MVR VLAN service is provisioned on the NE.		
Raising condition: ('MVR Admin Status' EQUAL 'Disabled')		
Clearing condition: ('MVR Admin Status' EQUAL 'Enabled')		
Remedial action: To clear the alarm, enable MVR Admin Status under the Bridge Instance.		

Table 31-53 NeManagementAndTrapManagementMismatch

Alarm	Attributes	Applicable major NE releases
Name: NeManagementAndTrapManagementMismatch (1079) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: neManagementChange (817)	<ul style="list-style-type: none"> 6.3.4 6.4.2 6.4.3
Description: This user-defined alarm is raised when the NE configuration is one of the following: - The Active Management IP is set to Out Of Band, and the Primary Route Preference is set to In Band. - The Active Management IP is set to In Band, and the Primary Route Preference is set to Out of Band.		
Raising condition: (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only'))) AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only'))) AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'Out Of Band')))		
Clearing condition: (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only'))) AND ('Primary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only'))) AND ('Primary Route Preference' EQUAL 'Out Of Band')))		
Remedial action: A configuration error has been made which must be corrected. The parameters described in the description for this alarm must match.		

Table 31-54 NewSsh2ServerKeyDetected

Alarm	Attributes	Applicable major NE releases
Name: NewSsh2ServerKeyDetected (285) Type: communicationsAlarm (4) Package: security Raised on class: security.KnownHostKey	Severity: warning Implicitly cleared: true Default probable cause: ssh2ServerKeyMismatch (217)	<ul style="list-style-type: none"> 6.3.4 6.4.2 6.4.3

(1 of 2)

31 – Alcatel-Lucent OS9600 alarms

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when a 5620 SAM main server detects a new public SSH key.		
Raising condition: ('SSH2 Server Key Status' EQUAL 'Mismatch SSH2 Host Key')		
Clearing condition: ('SSH2 Server Key Status' EQUAL 'Active SSH2 Host Key')		
Remedial action: Informational - possible security breach. The SSH key of the router is different from the one known to the SAM server.		

(2 of 2)

Table 31-55 NodeDatabaseFallbackDetected

Alarm	Attributes	Applicable major NE releases
Name: NodeDatabaseFallbackDetected (2923) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseFallback (1121)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when a configuration fallback is detected on the node and comes back up with a previous configuration. To correct this situation it might be necessary to reconfigure the node, or perform full resync its database with the 'fallback' configuration returned by the node.		
Raising condition: ('State' EQUAL 'Node Configuration Fallback')		
Clearing condition: ('State' EQUAL 'Managed')		
Remedial action: the NE has come back to a previous configuration. Perform a manual Full Resync or a Reconfigure of the NE		

Table 31-56 NodeDatabaseMisalignmentDetected

Alarm	Attributes	Applicable major NE releases
Name: NodeDatabaseMisalignmentDetected (2924) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseMisalignment (1122)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when a configuration misalignment has been detected on the node and comes back up with an unexpected configuration (configuration change triggered by external tool) To correct this situation it might be necessary to reconfigure the node with the 5620 SAM's old configuration or accept the new configuration received from the node.		
Raising condition: ('State' EQUAL 'Node Configuration Misalignment')		
Clearing condition: ('State' EQUAL 'Managed')		
Remedial action: the NE configuration is misaligned. Perform a resync in order to update SAM configuration according to the NE.		

Table 31-57 NodeSuspended

Alarm	Attributes	Applicable major NE releases
Name: NodeSuspended (5123) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: NodeSuspend (2057)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when the 5620 SAM detects an NE moved to suspend state as per user request.		
Raising condition: ('SNMP Reachability' EQUAL 'Suspended')		
Clearing condition: ('SNMP Reachability' NOT EQUAL 'Suspended')		
Remedial action: This alarm is raised when user suspends the network element. The alarm will be cleared when the network element is managed back.		

Table 31-58 OrphanNodeDetected

Alarm	Attributes	Applicable major NE releases
Name: OrphanNodeDetected (4866) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.AdvertisedNode	Severity: major Implicitly cleared: true Default probable cause: nodeNotMangedByAnyEms (1934)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when node is node managed by any EMS after n retries(threshold crossed) it is manually cleared by the operator or when the node is discovered.		
Raising condition: ('state' EQUAL 'orphan')		
Remedial action: The NE is not managed by any SAM. Add an discory rule in order to managed it.		

Table 31-59 OverTemperatureDetected

Alarm	Attributes	Applicable major NE releases
Name: OverTemperatureDetected (388) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when the chassis temperature exceeds the maximum threshold value.		
Raising condition: ('Over Temperature State' EQUAL 'Over')		
Clearing condition: ('Over Temperature State' NOT EQUAL 'Over')		
Remedial action: The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 31-60 PartialResyncProblem

Alarm	Attributes	Applicable major NE releases
Name: PartialResyncProblem (4401) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: partialResyncProblem (1578)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when an Partial Resync on an NE fails. For example, when resyncing only some MIB entries as opposed to a full resync. The periodic reachability test (sysUpTime) is not considered a partial resync, neither is a full resync. However, a PartialResyncProblem alarm can only be reset by a FullResync.		
Raising condition: ('partialResyncStatus' EQUAL 'Partial Resync Failed')		
Clearing condition: ('partialResyncStatus' EQUAL 'Partial Resync Done')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE.		

Table 31-61 PersistentIndexParametersMisconfigured

Alarm	Attributes	Applicable major NE releases
Name: PersistentIndexParametersMisconfigured (173) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: persistentIndexConfigurationMismatch (136)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when persistence is set to Off in the NE BOF.		
Raising condition: (('Persistent SNMP Indices' EQUAL 'False') OR (('hasRedundantProcessorCards' EQUAL 'true') AND ('Redundant Synchronization Mode' EQUAL 'None')))		
Clearing condition: (('Persistent SNMP Indices' EQUAL 'True') AND (('hasRedundantProcessorCards' EQUAL 'false') OR ('Redundant Synchronization Mode' NOT EQUAL 'None')))		
Remedial action: A configuration error has occurred that must be corrected. Use the CLI on the NE to enable persistency in the BOF. The discovery process will complete on the next discovery scan. A re-scan can be triggered immediately for the NE from within the discovery manager		

Table 31-62 PimDown

Alarm	Attributes	Applicable major NE releases
Name: PimDown (184) Type: ProtocolAlarm (1) Package: pim Raised on class: pim.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when a PIM site is administratively Up but operationally Down. The alarm is cleared when the PIM site becomes operationally Up but administratively Down.		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: This should never happen. Contact Alcatel-Lucent Customer Support for assistance.		

(2 of 2)

Table 31-63 PollerProblem

Alarm	Attributes	Applicable major NE releases
Name: PollerProblem (31) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: resyncFailed (24)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
Raising condition: ('Resync Status' EQUAL 'Full Resync Failed')		
Clearing condition: ('Resync Status' EQUAL 'Full Resync Done')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 31-64 PowerSupplyFailure

Alarm	Attributes	Applicable major NE releases
Name: PowerSupplyFailure (633) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: critical Implicitly cleared: true Default probable cause: powerSupplyFailure (117)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when a power-supply tray reports a failure. When the alarm is raised during device discovery, a power-supply tray may be out of service. When the alarm is raised while the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
Raising condition: (('Power Supply 1 Status' EQUAL 'Not Equipped') OR ('Power Supply 1 Status' EQUAL 'Failed'))		
Clearing condition: (('Power Supply 1 Status' EQUAL 'OK'))		
Remedial action: Ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 31-65 PowerSupplyInputFeedDown

Alarm	Attributes	Applicable major NE releases
Name: PowerSupplyInputFeedDown (5422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: minor Implicitly cleared: true Default probable cause: powerSupplyInputFeedDown (2073)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: This alarm is generated if any one of the input feeds for a given power supply is not supplying power.		
Raising condition: (('Input Feed Status' EQUAL 'Input A Down') OR ('Input Feed Status' EQUAL 'Input B Down') OR (('Input Feed Status'allBits'Input A Down') AND ('Input Feed Status'allBits'Input B Down'))		
Clearing condition: ('Input Feed Status' EQUAL 'None')		
Remedial action: Restore all of the input feeds that are not supplying power.		

Table 31-66 PowerSupplyRemoved

Alarm	Attributes	Applicable major NE releases
Name: PowerSupplyRemoved (542) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: major Implicitly cleared: true Default probable cause: PowerSupplyRemoved (415)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when a chassis power supply is removed.		
Raising condition: ('Power Supply 1 Status' EQUAL 'Not Equipped')		
Clearing condition: ('Power Supply 1 Status' NOT EQUAL 'Not Equipped')		
Remedial action: To recover from this event, the customer is requested to add a new power supply to the system, or change a faulty power supply with a working one.		

Table 31-67 PrimaryImageBootFailure

Alarm	Attributes	Applicable major NE releases
Name: PrimaryImageBootFailure (191) Type: configurationAlarm (11) Package: sw Raised on class: sw.CardSoftware	Severity: warning Implicitly cleared: true Default probable cause: bootOptionFileMisconfigured (150)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when the primary software image specified in an NE BOF is unusable.		
Raising condition: (('imageSource' NOT EQUAL 'Primary') AND ('imageSource' NOT EQUAL 'Unknown'))		
Clearing condition: (('imageSource' EQUAL 'Primary') OR ('imageSource' EQUAL 'Unknown'))		
Remedial action: The SW image on the NE may have been inadvertently corrupted. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

Table 31-68 RadiusOperStatusDown

Alarm	Attributes	Applicable major NE releases
Name: RadiusOperStatusDown (3692) Type: radiusOperStatusDownAlarm (105) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: radiusOperationStatusDown (1431)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when all RADIUS servers have gone down.		
Raising condition: ('Global RADIUS Operational State' EQUAL 'Down')		
Clearing condition: ('Global RADIUS Operational State' EQUAL 'Up')		
Remedial action: Verify the RADIUS server is properly configured and radius server state is up. Check the connectivity between SAM server and radius server configured on the Network element.		

Table 31-69 ReachabilityProblem

Alarm	Attributes	Applicable major NE releases
Name: ReachabilityProblem (243) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ReachabilityTestFailed (176)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when an Mediation poll of the SysUpTimeAlarm object on an NE fails, for example, because of network congestion or because the NE is too busy to respond. The probable cause is an unreachable NE Mediation agent on the NE. By default, the 5620 SAM polls a managed NE every two minutes. If a poll fails, the alarm is raised. The 5620 SAM polls the NE two minutes after the first failure. If successive polls fail, the 5620 SAM raises the polling interval for the NE by two minutes after each failure to a maximum of 12 min. The polling interval remains at 12 min until the 5620 SAM receives a response from the NE. The alarm clears when the 5620 SAM receives a response from the NE, and the 5620 SAM GUI icon that represents the NE turns from red to green.		
Raising condition: ('SNMP Reachability' EQUAL 'Down')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 31-70 ReconfigFailure

Alarm	Attributes	Applicable major NE releases
Name: ReconfigFailure (1949) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: failedReconfig (937)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: This alarm is raised when the reconfig action failed.		
Raising condition: ('State' EQUAL 'Failed')		

(1 of 2)

31 – Alcatel-Lucent OS9600 alarms

Alarm	Attributes	Applicable major NE releases
Clearing condition: ('State' NOT EQUAL 'Failed')		
Remedial action: Verify that the object is configured as expected.		

(2 of 2)

Table 31-71 RedundantMepMisconfiguration

Alarm	Attributes	Applicable major NE releases
Name: RedundantMepMisconfiguration (3631) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: minor Implicitly cleared: true Default probable cause: misconfiguredRedundantMep (1416)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when an Active and Redundant MEP do not have the same Id, Operational MAC Address or Sub Group configured.		
Raising condition: ('validRedundantMepConfig' EQUAL 'false')		
Clearing condition: ('validRedundantMepConfig' EQUAL 'true')		
Remedial action: MC-LAG redundant MEP configuration (MEP ID or Mac Address) for Active & Standby Interfaces do not match, this could cause issues with CFM or CCM tests if Active interface changes. Delete and Re-create Standby MEP to match Active.		

Table 31-72 RedundantMepMissing

Alarm	Attributes	Applicable major NE releases
Name: RedundantMepMissing (3632) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: minor Implicitly cleared: true Default probable cause: missingRedundantMep (1417)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when a MEP misses a redundant counterpart on LAG or SAP.		
Raising condition: (('MC-LAG Inactive' NOT EQUAL 'Not Applicable') AND ('Redundant MEP' EQUAL '\'))		
Clearing condition: (('MC-LAG Inactive' EQUAL 'Not Applicable') OR (('MC-LAG Inactive' NOT EQUAL 'Not Applicable') AND ('Redundant MEP' NOT EQUAL '\')))		
Remedial action: MC-LAG redundant MEP is missing Active & Standby Interfaces, this will cause issues with CFM or CCM tests if Active interface changes. Create missing Active/Standby MEP to match existing.		

Table 31-73 RemoteMepCCMAAlarm

Alarm	Attributes	Applicable major NE releases
Name: RemoteMepCCMAAlarm (502) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: major Implicitly cleared: true Default probable cause: missingRemoteMep (388)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when a MEP loses connectivity with one or more remote MEPs. The Remote MEP DB State tab on a MEP lists the missing remote MEPs.		
Raising condition: ('High-Priority Defect' NOT EQUAL '0')		
Clearing condition: ('High-Priority Defect' EQUAL '0')		
Remedial action: MEP has lost communication with Remote MEP defined in Maintenance Association (MEG) Remote MEP list, Either Remote MEP list is incorrect or diagnose connection fault and resolve.		

Table 31-74 RipDown

Alarm	Attributes	Applicable major NE releases
Name: RipDown (72) Type: ProtocolAlarm (1) Package: rip Raised on class: rip.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when a RIP site has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: The RIP Site is down while it is administratively up. Please check the node e.g, IOM is not shutdown or installed.		

Table 31-75 SaveConfigFailed

Alarm	Attributes	Applicable major NE releases
Name: SaveConfigFailed (105) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileAccessError (90)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when the admin save command on an NE fails.		
Raising condition: ('Config Save State' EQUAL 'Failure')		
Clearing condition: ('Config Save State' EQUAL 'Success')		
Remedial action: Attempt the admin save command a second time. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 31-76 ScheduledPollerProblem

Alarm	Attributes	Applicable major NE releases
Name: ScheduledPollerProblem (4386) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: scheduledResyncFailed (1569)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
Raising condition: ('Scheduled Resync Status' EQUAL 'Scheduled Resync Failed')		
Clearing condition: ('Scheduled Resync Status' EQUAL 'Scheduled Resync Done')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 31-77 ServiceSiteDown

Alarm	Attributes	Applicable major NE releases
Name: ServiceSiteDown (97) Type: serviceAlarm (16) Package: service Raised on class: service.Site	Severity: critical Implicitly cleared: true Default probable cause: siteDown (83)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when all SAPs on a site are operationally down, or when the service tunnels for the site are operationally down.		
Raising condition: (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'All Spoke SDP Bindings are Standby'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'All Spoke SDP Bindings are Standby'))		
Remedial action: The network resources (i.e. physical ports for SAPs, or physical ports/LSP) associated with the service site should be examined to determine if/why they are operationally down. The underlying transport network supporting the site may also be unreliable.		

Table 31-78 SiteManagementVlanConflict

Alarm	Attributes	Applicable major NE releases
Name: SiteManagementVlanConflict (223) Type: configurationAlarm (11) Package: vlan Raised on class: vlan.Site	Severity: warning Implicitly cleared: true Default probable cause: topologyMisconfigured (81)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when the management VLAN ID is used for another type of service.		
Raising condition: ('managementVlanConflict' EQUAL 'true')		
Clearing condition: ('managementVlanConflict' EQUAL 'false')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: Ensure that the VLAN ID of this Management Service Site is not used on any other type of VLAN Service Site.		

(2 of 2)

Table 31-79 SiteVlanSubTypeConflict

Alarm	Attributes	Applicable major NE releases
Name: SiteVlanSubTypeConflict (224) Type: configurationAlarm (11) Package: vlan Raised on class: vlan.Site	Severity: major Implicitly cleared: true Default probable cause: topologyMisconfigured (81)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when more than one type of VLAN service has the same VLAN ID. The alarm is raised against a site.		
Raising condition: ('vlanSubTypeConflict' EQUAL 'true')		
Clearing condition: ('vlanSubTypeConflict' EQUAL 'false')		
Remedial action: Ensure that only one type of VLAN Service is configured with the VLAN ID used by this Site.		

Table 31-80 StatsRetrieveFailed

Alarm	Attributes	Applicable major NE releases
Name: StatsRetrieveFailed (244) Type: configurationAlarm (11) Package: sw Raised on class: sw.AccountingStatsRetrievalManager	Severity: major Implicitly cleared: false Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when the 5620 SAM main or auxiliary server cannot transfer an accounting file from an NE.		
Raising condition: (('Stats Retrieval State' NOT EQUAL 'Success') AND ('Stats Retrieval State' NOT EQUAL 'Not Attempted'))		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy or otherwise cannot respond to the 5620 SAM main or auxiliary server.		

Table 31-81 SubscriberSystemNextHopUsageHigh

Alarm	Attributes	Applicable major NE releases
Name: SubscriberSystemNextHopUsageHigh (5157) Type: thresholdCrossed (6) Package: netw Raised on class: netw.NetworkElement	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3

(1 of 2)

31 – Alcatel-Lucent OS9600 alarms

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit.		
Raising condition: ('IP Next Hop Usage High' EQUAL 'true')		
Clearing condition: ('IP Next Hop Usage High' EQUAL 'false')		
Remedial action: The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit. There is no immediate effect, but when the usage actually hits the limit, new hosts will not get their managed routes.		

(2 of 2)

Table 31-82 TemperatureThresholdCrossed

Alarm	Attributes	Applicable major NE releases
Name: TemperatureThresholdCrossed (7) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Environment	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when a temperature crosses a threshold.		
Raising condition: ('temperatureThresholdCrossed' EQUAL 'true')		
Clearing condition: ('temperatureThresholdCrossed' EQUAL 'false')		
Remedial action: The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 31-83 TlsSiteDown

Alarm	Attributes	Applicable major NE releases
Name: TlsSiteDown (163) Type: ProtocolAlarm (1) Package: layer2 Raised on class: layer2.TlsSite	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when MVR is disabled on an NE and a TLS VLAN or MVR VLAN service is provisioned on the NE.		
Raising condition: ('TLS Admin Status' EQUAL 'Disabled')		
Clearing condition: ('TLS Admin Status' EQUAL 'Enabled')		
Remedial action: To clear the alarm, enable TLS Admin Status under the Bridge Instance.		

Table 31-84 TmnxEqPortEtherLoopDetected

Alarm	Attributes	Applicable major NE releases
Name: TmnxEqPortEtherLoopDetected (461) Type: portEtherLoopDetected (48) Package: ethernetEquipment Raised on class: ethernetEquipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when a device detects a physical loop on an Ethernet port.		
Raising condition: (('Down When Looped Status' EQUAL 'Loop Detected'))		
Clearing condition: (('Down When Looped Status' EQUAL 'No Loop Detected'))		
Remedial action: An Ethernet port has been mis-cabled - please remove the loopback cable on the port.		

Table 31-85 TrapDestinationMisconfigured

Alarm	Attributes	Applicable major NE releases
Name: TrapDestinationMisconfigured (33) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: trapDestinationMisconfigured (26) Applicable probable causes: <ul style="list-style-type: none"> • trapDestinationMisconfigured • duplicateTrapLogId 	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when the 5620 SAM cannot be added to the NE's SNMP trap destinations.		
Raising condition: ('isTrapDestinationMisconfigured' EQUAL 'true')		
Clearing condition: ('isTrapDestinationMisconfigured' EQUAL 'false')		
Remedial action: A configuration error has been made which must be corrected. The SNMP trap destination on the NE must be configured to the IP address of the SAM server.		

Table 31-86 TrapReceivingFailure

Alarm	Attributes	Applicable major NE releases
Name: TrapReceivingFailure (1083) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: false Default probable cause: trapsWillNotBeSent (822)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: This user-defined alarm is raised when the NE is unable to send traps because the NE configuration is one of the following: - The Management IP Selection is set to Out Of Band Only, the Primary Route Preference is set to In Band, and the Secondary Route Preference is set to None. - The Management IP Selection is set to In Band Only, the Primary Route Preference is set to Out Of Band, and the Secondary Route Preference is set to None.		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Raising condition: (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
Clearing condition: (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND ('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND ('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band'))))		
Remedial action: A configuration error has been made which must be corrected. The configuration error must be corrected per the discussion in the description for this alarm.		

(2 of 2)

Table 31-87 TrapRoutePreferenceRedundancyMissing

Alarm	Attributes	Applicable major NE releases
Name: TrapRoutePreferenceRedundancyMissing (1084) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: trapsRedundancyMissing (823)	<ul style="list-style-type: none"> 6.3.4 6.4.2 6.4.3
Description: The user-defined alarm is raised when NE management redundancy is configured without trap route preference redundancy.		
Raising condition: (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
Clearing condition: (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Secondary Route Preference' NOT EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Secondary Route Preference' NOT EQUAL 'None'))))		
Remedial action: A configuration error has been made which must be corrected. The IP address of the standby SAM server must be configured on the NE in question.		

Table 31-88 UnidentifiedNode

Alarm	Attributes	Applicable major NE releases
Name: UnidentifiedNode (1922) Type: communicationsAlarm (4) Package: netw Raised on class: netw.DiscoveredNode	Severity: major Implicitly cleared: true Default probable cause: unidentifiedNode (922)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when the node being discovered can not be properly identified.		
Raising condition: ('State' EQUAL 'Pending Identification')		
Clearing condition: ('State' NOT EQUAL 'Pending Identification')		
Remedial action: A configuration error has occurred that must be corrected. The eNodeB does not have a system name. The name can be configured by selecting the alarm, opening the associated properties form for the alarmed object and configuring the system name.		

Table 31-89 UnmanageFailed

Alarm	Attributes	Applicable major NE releases
Name: UnmanageFailed (300) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.NodeDiscoveryControl	Severity: warning Implicitly cleared: true Default probable cause: unableToDeleteNode (231)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when an attempt to unmanage an NE fails.		
Raising condition: ('Site State' EQUAL 'unmanage failed')		
Clearing condition: ('Site State' NOT EQUAL 'unmanage failed')		
Remedial action: Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 31-90 unsupportedPortUsage

Alarm	Attributes	Applicable major NE releases
Name: unsupportedPortUsage (5184) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: warning Implicitly cleared: true Default probable cause: incompatiblePortUsage (2100)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised in case unsupported port type is configured		
Raising condition: (('portId' >= '1L') AND ('portId' <= '4L') AND ('specificCardType' EQUAL 'EASv2') AND (('Port Usage' EQUAL 'MPT-HC') OR ('Port Usage' EQUAL 'MPT-MC')))"		
Clearing condition: NOT (((('portId' >= '1L') AND ('portId' <= '4L') AND ('specificCardType' EQUAL 'EASv2') AND (('Port Usage' EQUAL 'MPT-HC') OR ('Port Usage' EQUAL 'MPT-MC')))))"		
Remedial action: This alarm indicates unsupported port usage. Port usage configured on the NE is not supported by SAM.		

Table 31-91 UpgradedBuildVersionMismatch

Alarm	Attributes	Applicable major NE releases
Name: UpgradedBuildVersionMismatch (174) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: upgradedImageNotBooted (137)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when the software version that an NE reports after a software upgrade does not match the version of the software used for the upgrade.		
Raising condition: ('upgradedBuildVersionMismatch' EQUAL 'true')		
Clearing condition: ('upgradedBuildVersionMismatch' EQUAL 'false')		
Remedial action: Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 31-92 upgradedCardAlarm

Alarm	Attributes	Applicable major NE releases
Name: upgradedCardAlarm (255) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: upgradedCard (194)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when the standby CPM is rebooted and operational after a software upgrade. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
Raising condition: ('operationalState' EQUAL 'Upgrade')		
Clearing condition: ('operationalState' EQUAL 'Up')		
Remedial action: Informational - no corrective action required.		

Table 31-93 VersionConfigRestoreFailed

Alarm	Attributes	Applicable major NE releases
Name: VersionConfigRestoreFailed (536) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: versionMismatch (405)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when the restore procedure on an NE fails because of a mismatch between the backup file set version and the NE software version.		
Raising condition: ('lastNmsVersionRestoreState' EQUAL 'Failure')		
Clearing condition: ('lastNmsVersionRestoreState' EQUAL 'Success')		
Remedial action: The backup files being restored do not match with the version of node software release. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

Table 31-94 WrongCpaaSoftwareVersion

Alarm	Attributes	Applicable major NE releases
Name: WrongCpaaSoftwareVersion (791) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: wrongCpaaSoftwareVersion (559)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when the 7701 CPAA software is the wrong version and requires an upgrade.		
Raising condition: (('Software Version' EQUAL '\TiMOS-B-3.0.Generic \') AND ('Chassis Type' EQUAL '7701 CPAA'))		
Clearing condition: (('Software Version' NOT EQUAL '\TiMOS-B-3.0.Generic \') AND ('Chassis Type' EQUAL '7701 CPAA'))		
Remedial action: The SW version of the CPAA must be upgraded to the version compatible with CPAM version.		

32 — Alcatel-Lucent OS9700 alarms



Note — Some alarms that the 5620 SAM can raise against this device may not be listed in this chapter. Associating alarms with specific NE types is an ongoing Alcatel-Lucent effort. If the 5620 SAM raises an alarm against this device type, and the alarm is not described in this chapter, see chapter 35 for information about the alarm.

Table 32-1 AccessInterfaceDown

Alarm	Attributes	Applicable major NE releases
Name: AccessInterfaceDown (249) Type: AccessInterfaceAlarm (32) Package: service Raised on class: service.AccessInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when an L2 or L3 interface operational state is Down. The alarm is not raised against an L2 access interface that is associated with an MC ring or MC LAG in the standby state.		
Raising condition: (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'Standby For MC-Ring') AND ('State Cause' NOT EQUAL 'Standby For MC-Lag') AND ('State Cause' NOT EQUAL 'Standby For BGP Multi-homing'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'Standby For MC-Ring') OR ('State Cause' EQUAL 'Standby For MC-Lag') OR ('State Cause' EQUAL 'Standby For BGP Multi-homing'))		
Remedial action: The condition exists because the physical interface is down either because it is administratively disabled, faulty or a cabling fault has occurred. Ensure that the interface is administratively up. Check for a poor cable connection to the port or for a faulty cable/fiber. If neither appears to be the problem run diagnostics on the port to determine if it is faulty.		

Table 32-2 ActiveAbnormalCondition

Alarm	Attributes	Applicable major NE releases
Name: ActiveAbnormalCondition (3938) Type: activeAbnormalConditionAlarm (116) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ActiveAbnormalConditionState (1520)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is an indication for abnormal condition on NE.		
Raising condition: ('abnormalCondition' EQUAL 'true')		
Clearing condition: ('abnormalCondition' EQUAL 'false')		
Remedial action: This alarm is raised when there is a abnormal state indication on NE.		

Table 32-3 AGWDiameterPeerDown

Alarm	Attributes	Applicable major NE releases
Name: AGWDiameterPeerDown (844) Type: EpcAlarm (59) Package: lte Raised on class: lte.AGWDiameterPeer	Severity: variable Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when the path management state of a Diameter peer changes to a state other than Up.		
Raising condition: ('Path Diameter Management State' NOT EQUAL 'Active')		
Clearing condition: ('Path Diameter Management State' EQUAL 'Active')		
Remedial action: A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

Table 32-4 AuxiliaryServerStatus

Alarm	Attributes	Applicable major NE releases
Name: AuxiliaryServerStatus (311) Type: communicationsAlarm (4) Package: server Raised on class: server.AuxiliaryServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when a 5620 SAM main server cannot communicate with an auxiliary server. The alarm clears when communication is restored.		
Raising condition: ('Server Status' EQUAL 'Down')		
Clearing condition: ('Server Status' EQUAL 'Up')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the AUX and SAM servers is unreliable.		

Table 32-5 BgpDown

Alarm	Attributes	Applicable major NE releases
Name: BgpDown (6) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when a BGP instance has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: The BGP protocol entity is down - administratively disable BGP and re-enable. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 32-6 BootableConfigBackupFailed

Alarm	Attributes	Applicable major NE releases
Name: BootableConfigBackupFailed (103) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when the 5620 SAM fails to back up a set of NE configuration files.		
Raising condition: ('Backup State' EQUAL 'Failure')		
Clearing condition: ('Backup State' EQUAL 'Success')		
Remedial action: Investigation is required to resolve the following possible scenarios: insufficient disk space is available to accommodate the NE configuration files (additional SAM platform alarms will accompany this alarm); the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

Table 32-7 BootableConfigRestoreFailed

Alarm	Attributes	Applicable major NE releases
Name: BootableConfigRestoreFailed (104) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when the 5620 SAM fails to restore a set of NE configuration files.		
Raising condition: ('Restore State' EQUAL 'Failure')		
Clearing condition: ('Restore State' EQUAL 'Success')		

(1 of 2)

32 — Alcatel-Lucent OS9700 alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: Investigation is required to resolve the following possible scenarios: the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

(2 of 2)

Table 32-8 BootParametersMisconfigured

Alarm	Attributes	Applicable major NE releases
Name: BootParametersMisconfigured (35) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: persistentIndexFailure (30) Applicable probable causes: <ul style="list-style-type: none"> • persistentIndexFailure • configFileBootFailure 	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when the SNMP Index Boot Status on an NE is not set to Persistent.		
Raising condition: (('isGenericNode' EQUAL 'false') AND ('State' NOT EQUAL 'Pre-provisioned') AND (('Config File Status' NOT EQUAL 'Executed Successfully') OR ('Persistent Index Status' NOT EQUAL 'Rebuild Succeeded')))		
Clearing condition: (('Config File Status' EQUAL 'Executed Successfully') AND ('Persistent Index Status' EQUAL 'Rebuild Succeeded'))		
Remedial action: Ensure that "SNMP Index Boot Status" is persistent (using cli command "show system information" on the NE). If not, unmanage the network element from SAM, ensure that "persist on" is set in the bof file, save the bof, save a config file, verify that an index file (.ndx) is saved as well, reboot the router, verify that SNMP Index Boot Status is persistent and finally remanage the router from SAM.		

Table 32-9 ClientDelegateServerStatus

Alarm	Attributes	Applicable major NE releases
Name: ClientDelegateServerStatus (731) Type: communicationsAlarm (4) Package: server Raised on class: server.ClientDelegateServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when a client delegate server is unreachable.		
Raising condition: ('Server Status' EQUAL 'Down')		
Clearing condition: ('Server Status' EQUAL 'Up')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the client delegate platform and SAM servers is unreliable or the client delegate server itself is unreliable.		

Table 32-10 ContainingEquipmentAdministrativelyDown

Alarm	Attributes	Applicable major NE releases
Name: ContainingEquipmentAdministrativelyDown (466) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: minor Implicitly cleared: true Default probable cause: containingEquipmentAdministrativelyDown (330)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentAdministrativelyDown.		
Raising condition: (('Status' EQUAL 'Parent Admin Down') AND ('isTerminatable' EQUAL 'true'))		
Clearing condition: (('Status' NOT EQUAL 'Parent Admin Down') OR ('isTerminatable' NOT EQUAL 'true'))		
Remedial action: Informational - no corrective action required.		

Table 32-11 ContainingEquipmentMismatch

Alarm	Attributes	Applicable major NE releases
Name: ContainingEquipmentMismatch (464) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentMismatch (328)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentMismatch.		
Raising condition: (('Status' EQUAL 'Parent Type Mismatch') AND ('isTerminatable' EQUAL 'true'))		
Clearing condition: (('Status' NOT EQUAL 'Parent Type Mismatch') OR ('isTerminatable' NOT EQUAL 'true'))		
Remedial action: A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

Table 32-12 ContainingEquipmentOperationallyDown

Alarm	Attributes	Applicable major NE releases
Name: ContainingEquipmentOperationallyDown (465) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentDown (329)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentOperationallyDown.		
Raising condition: (('Status' EQUAL 'Parent Oper Down') AND ('isTerminatable' EQUAL 'true'))		
Clearing condition: (('Status' NOT EQUAL 'Parent Oper Down') OR ('isTerminatable' NOT EQUAL 'true'))		

(1 of 2)

32 — Alcatel-Lucent OS9700 alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: The operational state of the equipment element indicated in the alarm is down. This may be due to the element's administrative state or it may indicate that the element has failed.		

(2 of 2)

Table 32-13 CorruptImageFile

Alarm	Attributes	Applicable major NE releases
Name: CorruptImageFile (171) Type: configurationAlarm (11) Package: mediation Raised on class: mediation.AbstractSoftwareFolderDescriptor	Severity: critical Implicitly cleared: true Default probable cause: invalidOrCorruptImageFile (134)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when one or more files in the 5620 SAM software image specified for a device software upgrade is invalid, corrupt or absent. The 5620 SAM validates a device software file set before it imports the file set and distributes it to an NE. Ensure that the file set downloads properly to the NE and is not tampered with before you re-attempt the upgrade. The alarm clears when a valid file set is on the NE and the 5620 SAM activates the software image in the file set.		
Raising condition: ('isImageValid' EQUAL 'false')		
Clearing condition: ('isImageValid' EQUAL 'true')		
Remedial action: The existing SW image in the SAM database should be replaced with an image that is known to be complete and valid.		

Table 32-14 downgradedCardAlarm

Alarm	Attributes	Applicable major NE releases
Name: downgradedCardAlarm (256) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: downgradedCard (195)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when an IOM is not upgraded or reset after a device software upgrade of both CPMs. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
Raising condition: ('operationalState' EQUAL 'Downgrade')		
Clearing condition: ('operationalState' EQUAL 'Up')		
Remedial action: Informational - no corrective action required.		

Table 32-15 EquipmentAdministrativelyDown

Alarm	Attributes	Applicable major NE releases
Name: EquipmentAdministrativelyDown (455) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: minor Implicitly cleared: true Default probable cause: equipmentAdministrativelyDown (326)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentAdministrativelyDown.		
Raising condition: ('compositeEquipmentState' EQUAL 'Admin Down')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Admin Down')		
Remedial action: Informational - no corrective action required.		

Table 32-16 EquipmentDegraded

Alarm	Attributes	Applicable major NE releases
Name: EquipmentDegraded (604) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: minor Implicitly cleared: true Default probable cause: singleFanFailure (450)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when a single fan fails. The chassis attempts to continue operating within the normal temperature range using only the remaining fans.		
Raising condition: ('Device State' EQUAL 'MinorFailure')		
Clearing condition: ('Device State' NOT EQUAL 'MinorFailure')		
Remedial action: The failed fan unit should be replaced.		

Table 32-17 EquipmentDown

Alarm	Attributes	Applicable major NE releases
Name: EquipmentDown (10) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: inoperableEquipment (8)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentOperationallyDown.		
Raising condition: ('compositeEquipmentState' EQUAL 'Oper Down')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Oper Down')		
Remedial action: This alarm indicates that a card in the NE has failed. The card must be replaced.		

Table 32-18 EquipmentFailure

Alarm	Attributes	Applicable major NE releases
Name: EquipmentFailure (145) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.ReplaceableUnit	Severity: critical Implicitly cleared: true Default probable cause: cardFailure (123)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when a control processor or power-supply tray reports a failure. When the object type is ControlProcessor, a CPM may be unable to boot. When the object type is Power Supply Tray and the alarm is raised during device discovery, a power-supply tray may be out of service. When the object type is a Power Supply Tray and the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
Raising condition: ('operationalState' EQUAL 'Failed')		
Clearing condition: ('operationalState' NOT EQUAL 'Failed')		
Remedial action: If the alarm indicates that the CPM card has a fault, remove the card and reset it. If this does not clear the alarm then please contact Alcatel-Lucent support for assistance. If the alarm indicates that the Power Supply tray is out of service ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 32-19 EquipmentInTest

Alarm	Attributes	Applicable major NE releases
Name: EquipmentInTest (11) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: warning Implicitly cleared: true Default probable cause: equipmentInTest (9)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when equipment enters a diagnostic state.		
Raising condition: ('compositeEquipmentState' EQUAL 'In Test')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'In Test')		
Remedial action: Informational - no corrective action required.		

Table 32-20 EquipmentMismatch

Alarm	Attributes	Applicable major NE releases
Name: EquipmentMismatch (9) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: equipmentTypeMismatch (7)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMismatch.		
Raising condition: ('compositeEquipmentState' EQUAL 'Type Mismatch')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Type Mismatch')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

(2 of 2)

Table 32-21 EquipmentRemoved

Alarm	Attributes	Applicable major NE releases
Name: EquipmentRemoved (8) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: replaceableEquipmentRemoved (6)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMissing.		
Raising condition: (('compositeEquipmentState' EQUAL 'Removed') AND ('isEquipmentInserted' EQUAL 'true'))		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Removed')		
Remedial action: Informational - this alarm is raised when a card is removed.		

Table 32-22 EthernetPortConfiguredLoopback

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortConfiguredLoopback (801) Type: configurationAlarm (11) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: warning Implicitly cleared: true Default probable cause: ethernetPortConfiguredLoopback (567)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when a timed loopback is in effect for an Ethernet port.		
Raising condition: (('Type' NOT EQUAL 'None'))		
Clearing condition: (('Type' EQUAL 'None'))		
Remedial action: This alarm has been raised by the node because "Timed Loopback" option of the specific port's Ethernet property has been enabled. To resolve this problem from "Ethernet" tab of "Physical Port" properties form configure "Timed Loopback" Type property as "None".		

Table 32-23 EthernetPortDuplicateLane

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortDuplicateLane (3557) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: DuplicateLane (1387)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when a device reports a Duplicate Lane on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 32-24 EthernetPortHighBer

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortHighBer (307) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when a device reports a high bit-error rate on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))		
Remedial action: One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 32-25 EthernetPortLocalFault

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortLocalFault (305) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: LocalFault (236)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when a device reports a local fault on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))))		
Remedial action: One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

(2 of 2)

Table 32-26 EthernetPortNoAmLock

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortNoAmLock (3558) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoAmLock (1388)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when a device reports a No Am Lock on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 32-27 EthernetPortNoBlockLock

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortNoBlockLock (3559) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoBlockLock (1389)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when a device reports a No Block Lock on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock'))))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 32-28 EthernetPortNoFrameLock

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortNoFrameLock (306) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoFrameLock (237)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when a device reports No Frame Lock on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock'))		
Remedial action: One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 32-29 EthernetPortRemoteFault

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortRemoteFault (304) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: RemoteFault (235)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when a device reports a remote fault on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault'))		
Remedial action: One of the following conditions exists on the remote physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 32-30 EthernetPortSignalFailure

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortSignalFailure (303) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: SignalFailure (234)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when a device reports a signal failure on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))))		
Remedial action: One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

(2 of 2)

Table 32-31 FanFailure

Alarm	Attributes	Applicable major NE releases
Name: FanFailure (624) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: fanFailure (116)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when the associated fan is not operationally Up.		
Raising condition: (('Device State' EQUAL 'Failed') OR ('Device State' EQUAL 'Unknown') OR ('Device State' EQUAL 'OutOfService'))		
Clearing condition: ('Device State' EQUAL 'OK')		
Remedial action: Remove and reset the fan unit. If this does not resolve the problem replace the fan.		

Table 32-32 FanTrayRemoved

Alarm	Attributes	Applicable major NE releases
Name: FanTrayRemoved (569) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: FanTrayRemoved (438)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when the deviceState attribute has a value of deviceNotEquipped.		
Raising condition: ('Device State' EQUAL 'Not Equipped')		
Clearing condition: ('Device State' NOT EQUAL 'Not Equipped')		
Remedial action: Informational - a fan tray has been removed from the NE.		

Table 32-33 FrameSizeProblem (netw)

Alarm	Attributes	Applicable major NE releases
Name: FrameSizeProblem (37) Type: configurationAlarm (11) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: frameSizeProblem (33)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when a provisioned MTU size value is greater than the supported MTU size value.		
Raising condition: (('mtuMismatch' EQUAL 'true') AND ('portId' NOT EQUAL 'OL'))		
Clearing condition: (('mtuMismatch' EQUAL 'false') OR ('portId' EQUAL 'OL'))		
Remedial action: A configuration error has been made which must be corrected. The MTU value must be changed such that is less than or equal to the supported MTU size value.		

Table 32-34 GaPeerDown

Alarm	Attributes	Applicable major NE releases
Name: GaPeerDown (3303) Type: EpcAlarm (59) Package: Iteggns Raised on class: Iteggns.GaPeer	Severity: major Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when the path management state of a Ga peer changes to a state other than Up.		
Raising condition: ('Path Management State' NOT EQUAL 'Active')		
Clearing condition: ('Path Management State' EQUAL 'Active')		
Remedial action: A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

Table 32-35 IfVlanSubTypeConflict

Alarm	Attributes	Applicable major NE releases
Name: IfVlanSubTypeConflict (213) Type: configurationAlarm (11) Package: vlan Raised on class: vlan.L2AccessInterface	Severity: major Implicitly cleared: true Default probable cause: topologyMisconfigured (81)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when more than one type of VLAN service is configured with the same VLAN ID. The alarm is raised against an L2 access interface.		
Raising condition: ('vlanSubTypeConflict' EQUAL 'true')		
Clearing condition: ('vlanSubTypeConflict' EQUAL 'false')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: Ensure that only one type of VLAN Service is configured with the VLAN ID used by this Interface.		

(2 of 2)

Table 32-36 IgmpDown

Alarm	Attributes	Applicable major NE releases
Name: IgmpDown (158) Type: ProtocolAlarm (1) Package: igmp Raised on class: igmp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when an IGMP site has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: While configured under VPRN, check if VPRN site is admin down, or if route distinguisher is not configured.		

Table 32-37 IgmpSnoopingDown

Alarm	Attributes	Applicable major NE releases
Name: IgmpSnoopingDown (161) Type: ProtocolAlarm (1) Package: layer2 Raised on class: layer2.Bridge	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when IGMP snooping is disabled on an NE and a TLS VLAN or MVR VLAN service is provisioned on the NE.		
Raising condition: ('IGMP Snooping' EQUAL 'Disabled')		
Clearing condition: ('IGMP Snooping' EQUAL 'Enabled')		
Remedial action: To clear the alarm, enable IGMP Snooping under the Bridge Instance.		

Table 32-38 IncompleteConfiguration

Alarm	Attributes	Applicable major NE releases
Name: IncompleteConfiguration (1942) Type: operationalViolation (93) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: incompleteConfig (225)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when a pre-provisioned NE has no objects configured beneath it.		

(1 of 2)

32 – Alcatel-Lucent OS9700 alarms

Alarm	Attributes	Applicable major NE releases
Raising condition: (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' EQUAL '\'))		
Clearing condition: (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' NOT EQUAL '\'))		
Remedial action: A configuration error has been made which must be corrected. The configuration of the pre-provisioned NE is incomplete. A work order was not associated with the pre-provisioned NE and as a consequence the attempt to auto-configure the NE failed.		

(2 of 2)

Table 32-39 InterfaceDown (netw)

Alarm	Attributes	Applicable major NE releases
Name: InterfaceDown (36) Type: InterfaceAlarm (13) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when an interface or underlying resource fails, as indicated by an interface compositeState attribute value of failed or underlyingResourceFailed.		
Raising condition: (('compositeState' EQUAL 'Inoperable') OR ('compositeState' EQUAL 'Underlying Resource Inoperable'))		
Clearing condition: (('compositeState' NOT EQUAL 'Inoperable') AND ('compositeState' NOT EQUAL 'Underlying Resource Inoperable'))		
Remedial action: A physical port (physical interface, LAG, channel) associated with the network interface in not operation. Ensure that the interface is cabled and that there isn't a configuration error (i.e. MTU size set incorrectly) on the interface. Once the issue w		

Table 32-40 IsisDown

Alarm	Attributes	Applicable major NE releases
Name: IsisDown (19) Type: ProtocolAlarm (1) Package: isis Raised on class: isis.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when an IS-IS site has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: The protocol is not working anymore, could be a problem with IP addresses, resources on the device, ...		

Table 32-41 LagDown

Alarm	Attributes	Applicable major NE releases
Name: LagDown (20) Type: equipmentAlarm (3) Package: lag Raised on class: lag.Interface	Severity: critical Implicitly cleared: true Default probable cause: lagDown (17)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when all ports in a LAG are operationally down.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
Clearing condition: (('operationalState' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: This alarm indicates that all physical Ethernet links associated with a LAG are operationally down. The reasons for the links to be down may vary from link to link. The following possible causes of this alarm should be investigated. The physical port (near end or far end may have failed - this can be remedied by replacing the interface card in question. The physical links may have been turned down administratively - re-enable the links. A cable failure or disconnect may have occurred - please ensure that the cables are properly connected to the physical port and and that the cable has not been damaged.		

Table 32-42 LagPortAddFailed

Alarm	Attributes	Applicable major NE releases
Name: LagPortAddFailed (422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: warning Implicitly cleared: true Default probable cause: linkDown (315)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when the Lag Port Add function Fails.		
Raising condition: (('state' EQUAL 'Link Down') AND ('LAG ID' > '0'))		
Clearing condition: (('state' NOT EQUAL 'Link Down') OR ('LAG ID' EQUAL '0'))		
Remedial action: A configuration error has occurred which must be corrected. The link that was to be added to the LAG group may be of the wrong type (i.e. non ethernet) or the limit of the number of links supported in a LAG may have been reached.		

Table 32-43 LicensedLimitExceeded

Alarm	Attributes	Applicable major NE releases
Name: LicensedLimitExceeded (127) Type: licensingAlarm (23) Package: security Raised on class: security.ProductLicense	Severity: critical Implicitly cleared: true Default probable cause: licensedLimitExceeded (106)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when the license items in the network exceeds 100 percent of the license capacity.		
Raising condition: ('Exceeded' EQUAL 'true')		
Clearing condition: ('Exceeded' NOT EQUAL 'true')		

(1 of 2)

32 – Alcatel-Lucent OS9700 alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: Informational - The number of SAM licenses purchased and available on the SAM server is insufficient as compared to the number of NEs/MDA/Cells under management in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

(2 of 2)

Table 32-44 LinkDown

Alarm	Attributes	Applicable major NE releases
Name: LinkDown (12) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: portLinkProblem (10)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when a port has no associated physical link or remote end point is operationally down.		
Raising condition: (('compositeEquipmentState' EQUAL 'Link Down') OR ('compositeEquipmentState' EQUAL 'Oper Down'))		
Clearing condition: (('compositeEquipmentState' NOT EQUAL 'Link Down') AND ('compositeEquipmentState' NOT EQUAL 'Oper Down'))		
Remedial action: Please make sure that port has physical link and remote end point is operationally up.		

Table 32-45 LowTemperatureDetected

Alarm	Attributes	Applicable major NE releases
Name: LowTemperatureDetected (1127) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOvercooled (838)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when the chassis temperature falls below the minimum threshold.		
Raising condition: ('Low Temperature State' EQUAL 'Low')		
Clearing condition: ('Low Temperature State' NOT EQUAL 'Low')		
Remedial action: The NE has detected internal temperatures which are abnormally low. This may happen when the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 32-46 LowTemperatureThresholdCrossed

Alarm	Attributes	Applicable major NE releases
Name: LowTemperatureThresholdCrossed (1128) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Environment	Severity: major Implicitly cleared: true Default probable cause: equipmentOvercooled (838)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when a low-temperature threshold is crossed.		
Raising condition: ('lowTemperatureThresholdCrossed' EQUAL 'true')		
Clearing condition: ('lowTemperatureThresholdCrossed' EQUAL 'false')		
Remedial action: The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 32-47 LpsViolation

Alarm	Attributes	Applicable major NE releases
Name: LpsViolation (518) Type: learnedPortSecurityAlarm (51) Package: lps Raised on class: lps.LearnedPortSecurity	Severity: major Implicitly cleared: true Default probable cause: learnedPortSecurityViolation (393)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when the 5620 SAM detects an LPS violation.		
Raising condition: ('Operational State' EQUAL 'Security Violated')		
Clearing condition: ('Operational State' EQUAL 'Down')		
Remedial action: Port reset is required to return the port to normal operation.		

Table 32-48 macMoveRateExceeded (service)

Alarm	Attributes	Applicable major NE releases
Name: macMoveRateExceeded (3690) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: minor Implicitly cleared: true Default probable cause: MacMoveRateExceeded (1429)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site.		
Raising condition: ('State Cause'anyBit'Relearn Limit Exceeded')		
Clearing condition: NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		
Remedial action: Informational.		

Table 32-49 macMoveRateExceededNonBlock (service)

Alarm	Attributes	Applicable major NE releases
Name: macMoveRateExceededNonBlock (4893) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: info Implicitly cleared: true Default probable cause: MacMoveRateExceededNonBlock (1951)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site when limitMacMove(sapTlsLimitMacMove) is set to 'nonBlocking'.		
Raising condition: ('State Cause'anyBit'Relearn Limit Exceeded')		
Clearing condition: NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		
Remedial action: Informational - User can adjust the value of 'MAC Move Maximum Rate' to reduce the frequency of this alarm.		

Table 32-50 MepAISReceivedAlarm

Alarm	Attributes	Applicable major NE releases
Name: MepAISReceivedAlarm (2945) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: variable Implicitly cleared: true Default probable cause: missingRemoteMep (388)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when a MEP Receives AIS test frames from one or more of its sub-layer MEPs.		
Raising condition: (('AIS Received (AisRx)' EQUAL 'true') AND ('Facility VLAN ID' EQUAL '0'))		
Clearing condition: ('AIS Received (AisRx)' EQUAL 'false')		
Remedial action: This alarm indicates that it has received a MEP fault from a sub-layer MEP, user should investigate the fault cause on the sub-layer MEP and resolve this root cause issue.		

Table 32-51 MobileConnectorDown

Alarm	Attributes	Applicable major NE releases
Name: MobileConnectorDown (1064) Type: EpcAlarm (59) Package: Iteservice Raised on class: Iteservice.MobileServiceConnector	Severity: minor Implicitly cleared: true Default probable cause: EpcDown (519)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when the 5620 SAM no longer manages the EPS path instance of this mobile service site. As a result, the service must be regenerated.		
Raising condition: ('EPS Path' EQUAL '\\"')'		
Clearing condition: ('EPS Path' NOT EQUAL '\\"')'		
Remedial action: The underlying transport network has gone down resulting in the deletion of a mobile service connector (EPS path). Correct the issue with the transport network and regenerate the mobile service connector by clicking on the re-calculate button on the mobile service properties form.		

Table 32-52 MvrSiteDown

Alarm	Attributes	Applicable major NE releases
Name: MvrSiteDown (162) Type: ProtocolAlarm (1) Package: layer2 Raised on class: layer2.MvrSite	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when MVR is disabled on an NE and a TLS VLAN or MVR VLAN service is provisioned on the NE.		
Raising condition: ('MVR Admin Status' EQUAL 'Disabled')		
Clearing condition: ('MVR Admin Status' EQUAL 'Enabled')		
Remedial action: To clear the alarm, enable MVR Admin Status under the Bridge Instance.		

Table 32-53 NeManagementAndTrapManagementMismatch

Alarm	Attributes	Applicable major NE releases
Name: NeManagementAndTrapManagementMismatch (1079) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: neManagementChange (817)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: This user-defined alarm is raised when the NE configuration is one of the following: - The Active Management IP is set to Out Of Band, and the Primary Route Preference is set to In Band. - The Active Management IP is set to In Band, and the Primary Route Preference is set to Out of Band.		
Raising condition: (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only'))) AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only'))) AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'Out Of Band')))		
Clearing condition: (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only'))) AND ('Primary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only'))) AND ('Primary Route Preference' EQUAL 'Out Of Band')))		
Remedial action: A configuration error has been made which must be corrected. The parameters described in the description for this alarm must match.		

Table 32-54 NewSsh2ServerKeyDetected

Alarm	Attributes	Applicable major NE releases
Name: NewSsh2ServerKeyDetected (285) Type: communicationsAlarm (4) Package: security Raised on class: security.KnownHostKey	Severity: warning Implicitly cleared: true Default probable cause: ssh2ServerKeyMismatch (217)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3

(1 of 2)

32 – Alcatel-Lucent OS9700 alarms

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when a 5620 SAM main server detects a new public SSH key.		
Raising condition: ('SSH2 Server Key Status' EQUAL 'Mismatch SSH2 Host Key')		
Clearing condition: ('SSH2 Server Key Status' EQUAL 'Active SSH2 Host Key')		
Remedial action: Informational - possible security breach. The SSH key of the router is different from the one known to the SAM server.		

(2 of 2)

Table 32-55 NodeDatabaseFallbackDetected

Alarm	Attributes	Applicable major NE releases
Name: NodeDatabaseFallbackDetected (2923) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseFallback (1121)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when a configuration fallback is detected on the node and comes back up with a previous configuration. To correct this situation it might be necessary to reconfigure the node, or perform full resync its database with the 'fallback' configuration returned by the node.		
Raising condition: ('State' EQUAL 'Node Configuration Fallback')		
Clearing condition: ('State' EQUAL 'Managed')		
Remedial action: the NE has come back to a previous configuration. Perform a manual Full Resync or a Reconfigure of the NE		

Table 32-56 NodeDatabaseMisalignmentDetected

Alarm	Attributes	Applicable major NE releases
Name: NodeDatabaseMisalignmentDetected (2924) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseMisalignment (1122)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when a configuration misalignment has been detected on the node and comes back up with an unexpected configuration (configuration change triggered by external tool) To correct this situation it might be necessary to reconfigure the node with the 5620 SAM's old configuration or accept the new configuration received from the node.		
Raising condition: ('State' EQUAL 'Node Configuration Misalignment')		
Clearing condition: ('State' EQUAL 'Managed')		
Remedial action: the NE configuration is misaligned. Perform a resync in order to update SAM configuration according to the NE.		

Table 32-57 NodeSuspended

Alarm	Attributes	Applicable major NE releases
Name: NodeSuspended (5123) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: NodeSuspend (2057)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when the 5620 SAM detects an NE moved to suspend state as per user request.		
Raising condition: ('SNMP Reachability' EQUAL 'Suspended')		
Clearing condition: ('SNMP Reachability' NOT EQUAL 'Suspended')		
Remedial action: This alarm is raised when user suspends the network element. The alarm will be cleared when the network element is managed back.		

Table 32-58 OrphanNodeDetected

Alarm	Attributes	Applicable major NE releases
Name: OrphanNodeDetected (4866) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.AdvertisedNode	Severity: major Implicitly cleared: true Default probable cause: nodeNotMangedByAnyEms (1934)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when node is node managed by any EMS after n retries(threshold crossed) it is manually cleared by the operator or when the node is discovered.		
Raising condition: ('state' EQUAL 'orphan')		
Remedial action: The NE is not managed by any SAM. Add an discory rule in order to managed it.		

Table 32-59 OverTemperatureDetected

Alarm	Attributes	Applicable major NE releases
Name: OverTemperatureDetected (388) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when the chassis temperature exceeds the maximum threshold value.		
Raising condition: ('Over Temperature State' EQUAL 'Over')		
Clearing condition: ('Over Temperature State' NOT EQUAL 'Over')		
Remedial action: The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 32-60 PartialResyncProblem

Alarm	Attributes	Applicable major NE releases
Name: PartialResyncProblem (4401) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: partialResyncProblem (1578)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when an Partial Resync on an NE fails. For example, when resyncing only some MIB entries as opposed to a full resync. The periodic reachability test (sysUpTime) is not considered a partial resync, neither is a full resync. However, a PartialResyncProblem alarm can only be reset by a FullResync.		
Raising condition: ('partialResyncStatus' EQUAL 'Partial Resync Failed')		
Clearing condition: ('partialResyncStatus' EQUAL 'Partial Resync Done')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE.		

Table 32-61 PersistentIndexParametersMisconfigured

Alarm	Attributes	Applicable major NE releases
Name: PersistentIndexParametersMisconfigured (173) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: persistentIndexConfigurationMismatch (136)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when persistence is set to Off in the NE BOF.		
Raising condition: (('Persistent SNMP Indices' EQUAL 'False') OR (('hasRedundantProcessorCards' EQUAL 'true') AND ('Redundant Synchronization Mode' EQUAL 'None')))		
Clearing condition: (('Persistent SNMP Indices' EQUAL 'True') AND (('hasRedundantProcessorCards' EQUAL 'false') OR ('Redundant Synchronization Mode' NOT EQUAL 'None')))		
Remedial action: A configuration error has occurred that must be corrected. Use the CLI on the NE to enable persistency in the BOF. The discovery process will complete on the next discovery scan. A re-scan can be triggered immediately for the NE from within the discovery manager		

Table 32-62 PimDown

Alarm	Attributes	Applicable major NE releases
Name: PimDown (184) Type: ProtocolAlarm (1) Package: pim Raised on class: pim.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when a PIM site is administratively Up but operationally Down. The alarm is cleared when the PIM site becomes operationally Up but administratively Down.		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: This should never happen. Contact Alcatel-Lucent Customer Support for assistance.		

(2 of 2)

Table 32-63 PollerProblem

Alarm	Attributes	Applicable major NE releases
Name: PollerProblem (31) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: resyncFailed (24)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
Raising condition: ('Resync Status' EQUAL 'Full Resync Failed')		
Clearing condition: ('Resync Status' EQUAL 'Full Resync Done')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 32-64 PowerSupplyFailure

Alarm	Attributes	Applicable major NE releases
Name: PowerSupplyFailure (633) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: critical Implicitly cleared: true Default probable cause: powerSupplyFailure (117)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when a power-supply tray reports a failure. When the alarm is raised during device discovery, a power-supply tray may be out of service. When the alarm is raised while the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
Raising condition: (('Power Supply 1 Status' EQUAL 'Not Equipped') OR ('Power Supply 1 Status' EQUAL 'Failed'))		
Clearing condition: (('Power Supply 1 Status' EQUAL 'OK'))		
Remedial action: Ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 32-65 PowerSupplyInputFeedDown

Alarm	Attributes	Applicable major NE releases
Name: PowerSupplyInputFeedDown (5422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: minor Implicitly cleared: true Default probable cause: powerSupplyInputFeedDown (2073)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: This alarm is generated if any one of the input feeds for a given power supply is not supplying power.		
Raising condition: (('Input Feed Status' EQUAL 'Input A Down') OR ('Input Feed Status' EQUAL 'Input B Down') OR (('Input Feed Status'allBits'Input A Down') AND ('Input Feed Status'allBits'Input B Down'))		
Clearing condition: ('Input Feed Status' EQUAL 'None')		
Remedial action: Restore all of the input feeds that are not supplying power.		

Table 32-66 PowerSupplyRemoved

Alarm	Attributes	Applicable major NE releases
Name: PowerSupplyRemoved (542) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: major Implicitly cleared: true Default probable cause: PowerSupplyRemoved (415)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when a chassis power supply is removed.		
Raising condition: ('Power Supply 1 Status' EQUAL 'Not Equipped')		
Clearing condition: ('Power Supply 1 Status' NOT EQUAL 'Not Equipped')		
Remedial action: To recover from this event, the customer is requested to add a new power supply to the system, or change a faulty power supply with a working one.		

Table 32-67 PrimaryImageBootFailure

Alarm	Attributes	Applicable major NE releases
Name: PrimaryImageBootFailure (191) Type: configurationAlarm (11) Package: sw Raised on class: sw.CardSoftware	Severity: warning Implicitly cleared: true Default probable cause: bootOptionFileMisconfigured (150)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when the primary software image specified in an NE BOF is unusable.		
Raising condition: (('imageSource' NOT EQUAL 'Primary') AND ('imageSource' NOT EQUAL 'Unknown'))		
Clearing condition: (('imageSource' EQUAL 'Primary') OR ('imageSource' EQUAL 'Unknown'))		
Remedial action: The SW image on the NE may have been inadvertently corrupted. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

Table 32-68 RadiusOperStatusDown

Alarm	Attributes	Applicable major NE releases
Name: RadiusOperStatusDown (3692) Type: radiusOperStatusDownAlarm (105) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: radiusOperationStatusDown (1431)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when all RADIUS servers have gone down.		
Raising condition: ('Global RADIUS Operational State' EQUAL 'Down')		
Clearing condition: ('Global RADIUS Operational State' EQUAL 'Up')		
Remedial action: Verify the RADIUS server is properly configured and radius server state is up. Check the connectivity between SAM server and radius server configured on the Network element.		

Table 32-69 ReachabilityProblem

Alarm	Attributes	Applicable major NE releases
Name: ReachabilityProblem (243) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ReachabilityTestFailed (176)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when an Mediation poll of the SysUpTimeAlarm object on an NE fails, for example, because of network congestion or because the NE is too busy to respond. The probable cause is an unreachable NE Mediation agent on the NE. By default, the 5620 SAM polls a managed NE every two minutes. If a poll fails, the alarm is raised. The 5620 SAM polls the NE two minutes after the first failure. If successive polls fail, the 5620 SAM raises the polling interval for the NE by two minutes after each failure to a maximum of 12 min. The polling interval remains at 12 min until the 5620 SAM receives a response from the NE. The alarm clears when the 5620 SAM receives a response from the NE, and the 5620 SAM GUI icon that represents the NE turns from red to green.		
Raising condition: ('SNMP Reachability' EQUAL 'Down')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 32-70 ReconfigFailure

Alarm	Attributes	Applicable major NE releases
Name: ReconfigFailure (1949) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: failedReconfig (937)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: This alarm is raised when the reconfig action failed.		
Raising condition: ('State' EQUAL 'Failed')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: ('State' NOT EQUAL 'Failed')		
Remedial action: Verify that the object is configured as expected.		

(2 of 2)

Table 32-71 RedundantMepMisconfiguration

Alarm	Attributes	Applicable major NE releases
Name: RedundantMepMisconfiguration (3631) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: minor Implicitly cleared: true Default probable cause: misconfiguredRedundantMep (1416)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when an Active and Redundant MEP do not have the same Id, Operational MAC Address or Sub Group configured.		
Raising condition: ('validRedundantMepConfig' EQUAL 'false')		
Clearing condition: ('validRedundantMepConfig' EQUAL 'true')		
Remedial action: MC-LAG redundant MEP configuration (MEP ID or Mac Address) for Active & Standby Interfaces do not match, this could cause issues with CFM or CCM tests if Active interface changes. Delete and Re-create Standby MEP to match Active.		

Table 32-72 RedundantMepMissing

Alarm	Attributes	Applicable major NE releases
Name: RedundantMepMissing (3632) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: minor Implicitly cleared: true Default probable cause: missingRedundantMep (1417)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when a MEP misses a redundant counterpart on LAG or SAP.		
Raising condition: (('MC-LAG Inactive' NOT EQUAL 'Not Applicable') AND ('Redundant MEP' EQUAL '\'))		
Clearing condition: (('MC-LAG Inactive' EQUAL 'Not Applicable') OR (('MC-LAG Inactive' NOT EQUAL 'Not Applicable') AND ('Redundant MEP' NOT EQUAL '\')))		
Remedial action: MC-LAG redundant MEP is missing Active & Standby Interfaces, this will cause issues with CFM or CCM tests if Active interface changes. Create missing Active/Standby MEP to match existing.		

Table 32-73 RemoteMepCCMAAlarm

Alarm	Attributes	Applicable major NE releases
Name: RemoteMepCCMAAlarm (502) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: major Implicitly cleared: true Default probable cause: missingRemoteMep (388)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when a MEP loses connectivity with one or more remote MEPs. The Remote MEP DB State tab on a MEP lists the missing remote MEPs.		
Raising condition: ('High-Priority Defect' NOT EQUAL '0')		
Clearing condition: ('High-Priority Defect' EQUAL '0')		
Remedial action: MEP has lost communication with Remote MEP defined in Maintenance Association (MEG) Remote MEP list, Either Remote MEP list is incorrect or diagnose connection fault and resolve.		

Table 32-74 RipDown

Alarm	Attributes	Applicable major NE releases
Name: RipDown (72) Type: ProtocolAlarm (1) Package: rip Raised on class: rip.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when a RIP site has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: The RIP Site is down while it is administratively up. Please check the node e.g, IOM is not shutdown or installed.		

Table 32-75 SaveConfigFailed

Alarm	Attributes	Applicable major NE releases
Name: SaveConfigFailed (105) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileAccessError (90)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when the admin save command on an NE fails.		
Raising condition: ('Config Save State' EQUAL 'Failure')		
Clearing condition: ('Config Save State' EQUAL 'Success')		
Remedial action: Attempt the admin save command a second time. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 32-76 ScheduledPollerProblem

Alarm	Attributes	Applicable major NE releases
Name: ScheduledPollerProblem (4386) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: scheduledResyncFailed (1569)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
Raising condition: ('Scheduled Resync Status' EQUAL 'Scheduled Resync Failed')		
Clearing condition: ('Scheduled Resync Status' EQUAL 'Scheduled Resync Done')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 32-77 ServiceSiteDown

Alarm	Attributes	Applicable major NE releases
Name: ServiceSiteDown (97) Type: serviceAlarm (16) Package: service Raised on class: service.Site	Severity: critical Implicitly cleared: true Default probable cause: siteDown (83)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when all SAPs on a site are operationally down, or when the service tunnels for the site are operationally down.		
Raising condition: (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'All Spoke SDP Bindings are Standby'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'All Spoke SDP Bindings are Standby'))		
Remedial action: The network resources (i.e. physical ports for SAPs, or physical ports/LSP) associated with the service site should be examined to determine if/why they are operationally down. The underlying transport network supporting the site may also be unreliable.		

Table 32-78 SiteManagementVlanConflict

Alarm	Attributes	Applicable major NE releases
Name: SiteManagementVlanConflict (223) Type: configurationAlarm (11) Package: vlan Raised on class: vlan.Site	Severity: warning Implicitly cleared: true Default probable cause: topologyMisconfigured (81)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when the management VLAN ID is used for another type of service.		
Raising condition: ('managementVlanConflict' EQUAL 'true')		
Clearing condition: ('managementVlanConflict' EQUAL 'false')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: Ensure that the VLAN ID of this Management Service Site is not used on any other type of VLAN Service Site.		

(2 of 2)

Table 32-79 SiteVlanSubTypeConflict

Alarm	Attributes	Applicable major NE releases
Name: SiteVlanSubTypeConflict (224) Type: configurationAlarm (11) Package: vlan Raised on class: vlan.Site	Severity: major Implicitly cleared: true Default probable cause: topologyMisconfigured (81)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when more than one type of VLAN service has the same VLAN ID. The alarm is raised against a site.		
Raising condition: ('vlanSubTypeConflict' EQUAL 'true')		
Clearing condition: ('vlanSubTypeConflict' EQUAL 'false')		
Remedial action: Ensure that only one type of VLAN Service is configured with the VLAN ID used by this Site.		

Table 32-80 StatsRetrieveFailed

Alarm	Attributes	Applicable major NE releases
Name: StatsRetrieveFailed (244) Type: configurationAlarm (11) Package: sw Raised on class: sw.AccountingStatsRetrievalManager	Severity: major Implicitly cleared: false Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when the 5620 SAM main or auxiliary server cannot transfer an accounting file from an NE.		
Raising condition: (('Stats Retrieval State' NOT EQUAL 'Success') AND ('Stats Retrieval State' NOT EQUAL 'Not Attempted'))		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy or otherwise cannot respond to the 5620 SAM main or auxiliary server.		

Table 32-81 SubscriberSystemNextHopUsageHigh

Alarm	Attributes	Applicable major NE releases
Name: SubscriberSystemNextHopUsageHigh (5157) Type: thresholdCrossed (6) Package: netw Raised on class: netw.NetworkElement	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3

(1 of 2)

32 — Alcatel-Lucent OS9700 alarms

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit.		
Raising condition: ('IP Next Hop Usage High' EQUAL 'true')		
Clearing condition: ('IP Next Hop Usage High' EQUAL 'false')		
Remedial action: The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit. There is no immediate effect, but when the usage actually hits the limit, new hosts will not get their managed routes.		

(2 of 2)

Table 32-82 TemperatureThresholdCrossed

Alarm	Attributes	Applicable major NE releases
Name: TemperatureThresholdCrossed (7) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Environment	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when a temperature crosses a threshold.		
Raising condition: ('temperatureThresholdCrossed' EQUAL 'true')		
Clearing condition: ('temperatureThresholdCrossed' EQUAL 'false')		
Remedial action: The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 32-83 TlsSiteDown

Alarm	Attributes	Applicable major NE releases
Name: TlsSiteDown (163) Type: ProtocolAlarm (1) Package: layer2 Raised on class: layer2.TlsSite	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when MVR is disabled on an NE and a TLS VLAN or MVR VLAN service is provisioned on the NE.		
Raising condition: ('TLS Admin Status' EQUAL 'Disabled')		
Clearing condition: ('TLS Admin Status' EQUAL 'Enabled')		
Remedial action: To clear the alarm, enable TLS Admin Status under the Bridge Instance.		

Table 32-84 TmnxEqPortEtherLoopDetected

Alarm	Attributes	Applicable major NE releases
Name: TmnxEqPortEtherLoopDetected (461) Type: portEtherLoopDetected (48) Package: ethernetEquipment Raised on class: ethernetEquipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when a device detects a physical loop on an Ethernet port.		
Raising condition: (('Down When Looped Status' EQUAL 'Loop Detected'))		
Clearing condition: (('Down When Looped Status' EQUAL 'No Loop Detected'))		
Remedial action: An Ethernet port has been mis-cabled - please remove the loopback cable on the port.		

Table 32-85 TrapDestinationMisconfigured

Alarm	Attributes	Applicable major NE releases
Name: TrapDestinationMisconfigured (33) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: trapDestinationMisconfigured (26) Applicable probable causes: <ul style="list-style-type: none"> • trapDestinationMisconfigured • duplicateTrapLogId 	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when the 5620 SAM cannot be added to the NE's SNMP trap destinations.		
Raising condition: ('isTrapDestinationMisconfigured' EQUAL 'true')		
Clearing condition: ('isTrapDestinationMisconfigured' EQUAL 'false')		
Remedial action: A configuration error has been made which must be corrected. The SNMP trap destination on the NE must be configured to the IP address of the SAM server.		

Table 32-86 TrapReceivingFailure

Alarm	Attributes	Applicable major NE releases
Name: TrapReceivingFailure (1083) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: false Default probable cause: trapsWillNotBeSent (822)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: This user-defined alarm is raised when the NE is unable to send traps because the NE configuration is one of the following: - The Management IP Selection is set to Out Of Band Only, the Primary Route Preference is set to In Band, and the Secondary Route Preference is set to None. - The Management IP Selection is set to In Band Only, the Primary Route Preference is set to Out Of Band, and the Secondary Route Preference is set to None.		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Raising condition: (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
Clearing condition: (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND ('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND ('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band'))))		
Remedial action: A configuration error has been made which must be corrected. The configuration error must be corrected per the discussion in the description for this alarm.		

(2 of 2)

Table 32-87 TrapRoutePreferenceRedundancyMissing

Alarm	Attributes	Applicable major NE releases
Name: TrapRoutePreferenceRedundancyMissing (1084) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: trapsRedundancyMissing (823)	<ul style="list-style-type: none"> 6.3.4 6.4.2 6.4.3
Description: The user-defined alarm is raised when NE management redundancy is configured without trap route preference redundancy.		
Raising condition: (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
Clearing condition: (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Secondary Route Preference' NOT EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Secondary Route Preference' NOT EQUAL 'None'))))		
Remedial action: A configuration error has been made which must be corrected. The IP address of the standby SAM server must be configured on the NE in question.		

Table 32-88 UnidentifiedNode

Alarm	Attributes	Applicable major NE releases
Name: UnidentifiedNode (1922) Type: communicationsAlarm (4) Package: netw Raised on class: netw.DiscoveredNode	Severity: major Implicitly cleared: true Default probable cause: unidentifiedNode (922)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when the node being discovered can not be properly identified.		
Raising condition: ('State' EQUAL 'Pending Identification')		
Clearing condition: ('State' NOT EQUAL 'Pending Identification')		
Remedial action: A configuration error has occurred that must be corrected. The eNodeB does not have a system name. The name can be configured by selecting the alarm, opening the associated properties form for the alarmed object and configuring the system name.		

Table 32-89 UnmanageFailed

Alarm	Attributes	Applicable major NE releases
Name: UnmanageFailed (300) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.NodeDiscoveryControl	Severity: warning Implicitly cleared: true Default probable cause: unableToDeleteNode (231)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when an attempt to unmanage an NE fails.		
Raising condition: ('Site State' EQUAL 'unmanage failed')		
Clearing condition: ('Site State' NOT EQUAL 'unmanage failed')		
Remedial action: Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 32-90 unsupportedPortUsage

Alarm	Attributes	Applicable major NE releases
Name: unsupportedPortUsage (5184) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: warning Implicitly cleared: true Default probable cause: incompatiblePortUsage (2100)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised in case unsupported port type is configured		
Raising condition: (('portId' >= '1L') AND ('portId' <= '4L') AND ('specificCardType' EQUAL 'EASv2') AND (('Port Usage' EQUAL 'MPT-HC') OR ('Port Usage' EQUAL 'MPT-MC')))"		
Clearing condition: NOT (((('portId' >= '1L') AND ('portId' <= '4L') AND ('specificCardType' EQUAL 'EASv2') AND (('Port Usage' EQUAL 'MPT-HC') OR ('Port Usage' EQUAL 'MPT-MC')))))"		
Remedial action: This alarm indicates unsupported port usage. Port usage configured on the NE is not supported by SAM.		

Table 32-91 UpgradedBuildVersionMismatch

Alarm	Attributes	Applicable major NE releases
Name: UpgradedBuildVersionMismatch (174) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: upgradedImageNotBooted (137)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when the software version that an NE reports after a software upgrade does not match the version of the software used for the upgrade.		
Raising condition: ('upgradedBuildVersionMismatch' EQUAL 'true')		
Clearing condition: ('upgradedBuildVersionMismatch' EQUAL 'false')		
Remedial action: Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 32-92 upgradedCardAlarm

Alarm	Attributes	Applicable major NE releases
Name: upgradedCardAlarm (255) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: upgradedCard (194)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when the standby CPM is rebooted and operational after a software upgrade. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
Raising condition: ('operationalState' EQUAL 'Upgrade')		
Clearing condition: ('operationalState' EQUAL 'Up')		
Remedial action: Informational - no corrective action required.		

Table 32-93 VersionConfigRestoreFailed

Alarm	Attributes	Applicable major NE releases
Name: VersionConfigRestoreFailed (536) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: versionMismatch (405)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when the restore procedure on an NE fails because of a mismatch between the backup file set version and the NE software version.		
Raising condition: ('lastNmsVersionRestoreState' EQUAL 'Failure')		
Clearing condition: ('lastNmsVersionRestoreState' EQUAL 'Success')		
Remedial action: The backup files being restored do not match with the version of node software release. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

Table 32-94 WrongCpaaSoftwareVersion

Alarm	Attributes	Applicable major NE releases
Name: WrongCpaaSoftwareVersion (791) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: wrongCpaaSoftwareVersion (559)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when the 7701 CPAA software is the wrong version and requires an upgrade.		
Raising condition: (('Software Version' EQUAL '\TiMOS-B-3.0.Generic \') AND ('Chassis Type' EQUAL '7701 CPAA'))		
Clearing condition: (('Software Version' NOT EQUAL '\TiMOS-B-3.0.Generic \') AND ('Chassis Type' EQUAL '7701 CPAA'))		
Remedial action: The SW version of the CPAA must be upgraded to the version compatible with CPAM version.		

33 — Alcatel-Lucent OS9700E/9800E alarms



Note — Some alarms that the 5620 SAM can raise against this device may not be listed in this chapter. Associating alarms with specific NE types is an ongoing Alcatel-Lucent effort. If the 5620 SAM raises an alarm against this device type, and the alarm is not described in this chapter, see chapter 35 for information about the alarm.

Table 33-1 AccessInterfaceDown

Alarm	Attributes	Applicable major NE releases
Name: AccessInterfaceDown (249) Type: AccessInterfaceAlarm (32) Package: service Raised on class: service.AccessInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when an L2 or L3 interface operational state is Down. The alarm is not raised against an L2 access interface that is associated with an MC ring or MC LAG in the standby state.		
Raising condition: (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'Standby For MC-Ring') AND ('State Cause' NOT EQUAL 'Standby For MC-Lag') AND ('State Cause' NOT EQUAL 'Standby For BGP Multi-homing'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'Standby For MC-Ring') OR ('State Cause' EQUAL 'Standby For MC-Lag') OR ('State Cause' EQUAL 'Standby For BGP Multi-homing'))		
Remedial action: The condition exists because the physical interface is down either because it is administratively disabled, faulty or a cabling fault has occurred. Ensure that the interface is administratively up. Check for a poor cable connection to the port or for a faulty cable/fiber. If neither appears to be the problem run diagnostics on the port to determine if it is faulty.		

Table 33-2 ActiveAbnormalCondition

Alarm	Attributes	Applicable major NE releases
Name: ActiveAbnormalCondition (3938) Type: activeAbnormalConditionAlarm (116) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ActiveAbnormalConditionState (1520)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is an indication for abnormal condition on NE.		
Raising condition: ('abnormalCondition' EQUAL 'true')		
Clearing condition: ('abnormalCondition' EQUAL 'false')		
Remedial action: This alarm is raised when there is a abnormal state indication on NE.		

Table 33-3 AGWDiameterPeerDown

Alarm	Attributes	Applicable major NE releases
Name: AGWDiameterPeerDown (844) Type: EpcAlarm (59) Package: lte Raised on class: lte.AGWDiameterPeer	Severity: variable Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the path management state of a Diameter peer changes to a state other than Up.		
Raising condition: ('Path Diameter Management State' NOT EQUAL 'Active')		
Clearing condition: ('Path Diameter Management State' EQUAL 'Active')		
Remedial action: A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

Table 33-4 AreaTypeMismatch

Alarm	Attributes	Applicable major NE releases
Name: AreaTypeMismatch (38) Type: configurationAlarm (11) Package: ospf Raised on class: ospf.Area	Severity: warning Implicitly cleared: true Default probable cause: areaTypeMisconfigured (34)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when an OSPF area on one NE is configured as an NSSA and the same OSPF area on another NE is configured as a stub area.		
Raising condition: ('Type Mismatch' EQUAL 'true')		
Clearing condition: ('Type Mismatch' EQUAL 'false')		
Remedial action: A configuration error has been made which must be corrected. The OSPF area type configured for the NE does not match with the same OSPF area configured on another NE. Compare the configuration on the endpoint and correct the mismatch.		

Table 33-5 AuxiliaryServerStatus

Alarm	Attributes	Applicable major NE releases
Name: AuxiliaryServerStatus (311) Type: communicationsAlarm (4) Package: server Raised on class: server.AuxiliaryServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when a 5620 SAM main server cannot communicate with an auxiliary server. The alarm clears when communication is restored.		
Raising condition: ('Server Status' EQUAL 'Down')		
Clearing condition: ('Server Status' EQUAL 'Up')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the AUX and SAM servers is unreliable.		

Table 33-6 BgpDown

Alarm	Attributes	Applicable major NE releases
Name: BgpDown (6) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when a BGP instance has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: The BGP protocol entity is down - administratively disable BGP and re-enable. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 33-7 BootableConfigBackupFailed

Alarm	Attributes	Applicable major NE releases
Name: BootableConfigBackupFailed (103) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the 5620 SAM fails to back up a set of NE configuration files.		
Raising condition: ('Backup State' EQUAL 'Failure')		
Clearing condition: ('Backup State' EQUAL 'Success')		

(1 of 2)

33 – Alcatel-Lucent OS9700E/9800E alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: Investigation is required to resolve the following possible scenarios: insufficient disk space is available to accommodate the NE configuration files (additional SAM platform alarms will accompany this alarm); the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

(2 of 2)

Table 33-8 BootableConfigRestoreFailed

Alarm	Attributes	Applicable major NE releases
Name: BootableConfigRestoreFailed (104) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the 5620 SAM fails to restore a set of NE configuration files.		
Raising condition: ('Restore State' EQUAL 'Failure')		
Clearing condition: ('Restore State' EQUAL 'Success')		
Remedial action: Investigation is required to resolve the following possible scenarios: the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

Table 33-9 BootParametersMisconfigured

Alarm	Attributes	Applicable major NE releases
Name: BootParametersMisconfigured (35) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: persistentIndexFailure (30) Applicable probable causes: <ul style="list-style-type: none"> • persistentIndexFailure • configFileBootFailure 	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the SNMP Index Boot Status on an NE is not set to Persistent.		
Raising condition: (('isGenericNode' EQUAL 'false') AND ('State' NOT EQUAL 'Pre-provisioned') AND (('Config File Status' NOT EQUAL 'Executed Successfully') OR ('Persistent Index Status' NOT EQUAL 'Rebuild Succeeded')))		
Clearing condition: (('Config File Status' EQUAL 'Executed Successfully') AND ('Persistent Index Status' EQUAL 'Rebuild Succeeded'))		
Remedial action: Ensure that "SNMP Index Boot Status" is persistent (using cli command "show system information" on the NE). If not, unmanage the network element from SAM, ensure that "persist on" is set in the bof file, save the bof, save a config file, verify that an index file (.ndx) is saved as well, reboot the router, verify that SNMP Index Boot Status is persistent and finally remanage the router from SAM.		

Table 33-10 ClientDelegateServerStatus

Alarm	Attributes	Applicable major NE releases
Name: ClientDelegateServerStatus (731) Type: communicationsAlarm (4) Package: server Raised on class: server.ClientDelegateServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when a client delegate server is unreachable.		
Raising condition: ('Server Status' EQUAL 'Down')		
Clearing condition: ('Server Status' EQUAL 'Up')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the client delegate platform and SAM servers is unreliable or the client delegate server itself is unreliable.		

Table 33-11 ContainingEquipmentAdministrativelyDown

Alarm	Attributes	Applicable major NE releases
Name: ContainingEquipmentAdministrativelyDown (466) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: minor Implicitly cleared: true Default probable cause: containingEquipmentAdministrativelyDown (330)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentAdministrativelyDown.		
Raising condition: (('Status' EQUAL 'Parent Admin Down') AND ('isTerminatable' EQUAL 'true'))		
Clearing condition: (('Status' NOT EQUAL 'Parent Admin Down') OR ('isTerminatable' NOT EQUAL 'true'))		
Remedial action: Informational - no corrective action required.		

Table 33-12 ContainingEquipmentMismatch

Alarm	Attributes	Applicable major NE releases
Name: ContainingEquipmentMismatch (464) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentMismatch (328)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentMismatch.		
Raising condition: (('Status' EQUAL 'Parent Type Mismatch') AND ('isTerminatable' EQUAL 'true'))		
Clearing condition: (('Status' NOT EQUAL 'Parent Type Mismatch') OR ('isTerminatable' NOT EQUAL 'true'))		
Remedial action: A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

Table 33-13 ContainingEquipmentOperationallyDown

Alarm	Attributes	Applicable major NE releases
Name: ContainingEquipmentOperationallyDown (465) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentDown (329)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentOperationallyDown.		
Raising condition: (('Status' EQUAL 'Parent Oper Down') AND ('isTerminatable' EQUAL 'true'))		
Clearing condition: (('Status' NOT EQUAL 'Parent Oper Down') OR ('isTerminatable' NOT EQUAL 'true'))		
Remedial action: The operational state of the equipment element indicated in the alarm is down. This may be due to the element's administrative state or it may indicate that the element has failed.		

Table 33-14 CorruptImageFile

Alarm	Attributes	Applicable major NE releases
Name: CorruptImageFile (171) Type: configurationAlarm (11) Package: mediation Raised on class: mediation.AbstractSoftwareFolderDescriptor	Severity: critical Implicitly cleared: true Default probable cause: invalidOrCorruptImageFile (134)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when one or more files in the 5620 SAM software image specified for a device software upgrade is invalid, corrupt or absent. The 5620 SAM validates a device software file set before it imports the file set and distributes it to an NE. Ensure that the file set downloads properly to the NE and is not tampered with before you re-attempt the upgrade. The alarm clears when a valid file set is on the NE and the 5620 SAM activates the software image in the file set.		
Raising condition: ('isImageValid' EQUAL 'false')		
Clearing condition: ('isImageValid' EQUAL 'true')		
Remedial action: The existing SW image in the SAM database should be replaced with an image that is known to be complete and valid.		

Table 33-15 DDMAux1HighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMAux1HighAlarm (495) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: aux1HighAlarm (381)	<ul style="list-style-type: none"> • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the manufacturer-specific Auxiliary 1 of the XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux1 High Alarm')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: NOT (('failedThresholds'anyBit'Aux1 High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

(2 of 2)

Table 33-16 DDMAux1HighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMAux1HighWarning (494) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: aux1HighWarning (380)	<ul style="list-style-type: none"> • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the manufacturer-specific Auxiliary 1 of the XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux1 High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux1 High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 33-17 DDMAux1LowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMAux1LowAlarm (493) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: aux1LowAlarm (379)	<ul style="list-style-type: none"> • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the manufacturer-specific Auxiliary 1 of the XFP reaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux1 Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux1 Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 33-18 DDMAux1LowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMAux1LowWarning (492) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: aux1LowWarning (378)	<ul style="list-style-type: none"> • 6.4.4 • 6.4.5 • 6.4.6

(1 of 2)

33 – Alcatel-Lucent OS9700E/9800E alarms

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when the manufacturer-specific Auxiliary 1 of the XFP approaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux1 Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux1 Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

(2 of 2)

Table 33-19 DDMAux2HighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMAux2HighAlarm (499) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: aux2HighAlarm (385)	<ul style="list-style-type: none"> • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the manufacturer-specific Auxiliary 2 of the XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux2 High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux2 High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 33-20 DDMAux2HighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMAux2HighWarning (498) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: aux2HighWarning (384)	<ul style="list-style-type: none"> • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the manufacturer-specific Auxiliary 2 of the XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux2 High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux2 High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 33-21 DDMAux2LowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMAux2LowAlarm (497) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: aux2LowAlarm (383)	<ul style="list-style-type: none"> • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the manufacturer-specific Auxiliary 2 of the XFP reaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux2 Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux2 Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 33-22 DDMAux2LowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMAux2LowWarning (496) Type: communicatiothresholdAlarmnsAlarm (50) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: aux2LowWarning (382)	<ul style="list-style-type: none"> • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the manufacturer-specific Auxiliary 2 of the XFP approaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBit'Aux2 Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Aux2 Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 33-23 DDMRxOpticalPowerHighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMRxOpticalPowerHighAlarm (491) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: rxOpticalPowerHighAlarm (377)	<ul style="list-style-type: none"> • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the received optical power of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Rx Optical Power High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Rx Optical Power High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 33-24 DDMRxOpticalPowerHighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMRxOpticalPowerHighWarning (490) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: rxOpticalPowerHighWarning (376)	<ul style="list-style-type: none"> • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the received optical power of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBitRx Optical Power High Warning')		
Clearing condition: NOT (('failedThresholds'anyBitRx Optical Power High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 33-25 DDMRxOpticalPowerLowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMRxOpticalPowerLowAlarm (489) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: rxOpticalPowerLowAlarm (375)	<ul style="list-style-type: none"> • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the received optical power of an SFP or XFP reaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBitRx Optical Power Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBitRx Optical Power Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 33-26 DDMRxOpticalPowerLowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMRxOpticalPowerLowWarning (488) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: rxOpticalPowerLowWarning (374)	<ul style="list-style-type: none"> • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the received optical power of an SFP or XFP approaches the minimum threshold value.		
Raising condition: ('failedThresholds'anyBitRx Optical Power Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBitRx Optical Power Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 33-27 DDMSupplyVoltageHighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMSupplyVoltageHighAlarm (479) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: supplyVoltageHighAlarm (365)	<ul style="list-style-type: none"> • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the supply voltage of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Supply Voltage High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Supply Voltage High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 33-28 DDMSupplyVoltageHighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMSupplyVoltageHighWarning (478) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: supplyVoltageHighWarning (364)	<ul style="list-style-type: none"> • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the supply voltage of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Supply Voltage High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Supply Voltage High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 33-29 DDMSupplyVoltageLowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMSupplyVoltageLowAlarm (477) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: supplyVoltageLowAlarm (363)	<ul style="list-style-type: none"> • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the supply voltage of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Supply Voltage Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Supply Voltage Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 33-30 DDMSupplyVoltageLowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMSupplyVoltageLowWarning (476) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: supplyVoltageLowWarning (362)	<ul style="list-style-type: none"> • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the supply voltage of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Supply Voltage Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Supply Voltage Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 33-31 DDMTemperatureHighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTemperatureHighAlarm (475) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: temperatureHighAlarm (361)	<ul style="list-style-type: none"> • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the temperature of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Temperature High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Temperature High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 33-32 DDMTemperatureHighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTemperatureHighWarning (474) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: temperatureHighWarning (360)	<ul style="list-style-type: none"> • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the temperature of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Temperature High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Temperature High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 33-33 DDMTemperatureLowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTemperatureLowAlarm (473) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: temperatureLowAlarm (359)	<ul style="list-style-type: none"> • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the temperature of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Temperature Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Temperature Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 33-34 DDMTemperatureLowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTemperatureLowWarning (472) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: temperatureLowWarning (358)	<ul style="list-style-type: none"> • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the temperature of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Temperature Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Temperature Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 33-35 DDMTxBiasCurrentHighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTxBiasCurrentHighAlarm (483) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: txBiasCurrentHighAlarm (369)	<ul style="list-style-type: none"> • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the transmit bias current of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Bias Current High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Bias Current High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 33-36 DDMTxBiasCurrentHighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTxBiasCurrentHighWarning (482) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: txBiasCurrentHighWarning (368)	<ul style="list-style-type: none"> • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the transmit bias current of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Bias Current High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Bias Current High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 33-37 DDMTxBiasCurrentLowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTxBiasCurrentLowAlarm (481) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: txBiasCurrentLowAlarm (367)	<ul style="list-style-type: none"> • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the transmit bias current of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Bias Current Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Bias Current Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 33-38 DDMTxBiasCurrentLowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTxBiasCurrentLowWarning (480) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: txBiasCurrentLowWarning (366)	<ul style="list-style-type: none"> • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the transmit bias current of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Bias Current Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Bias Current Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 33-39 DDMTxOutputPowerHighAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTxOutputPowerHighAlarm (487) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: txOutputPowerHighAlarm (373)	<ul style="list-style-type: none"> • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the output power of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Output Power High Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Output Power High Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 33-40 DDMTxOutputPowerHighWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMTxOutputPowerHighWarning (486) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: txOutputPowerHighWarning (372)	<ul style="list-style-type: none"> • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the output power of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Output Power High Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Output Power High Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 33-41 DDMTxOutputPowerLowAlarm

Alarm	Attributes	Applicable major NE releases
Name: DDMTxOutputPowerLowAlarm (485) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: txOutputPowerLowAlarm (371)	<ul style="list-style-type: none"> • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the output power of an SFP or XFP reaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Output Power Low Alarm')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Output Power Low Alarm'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 33-42 DDMtxOutputPowerLowWarning

Alarm	Attributes	Applicable major NE releases
Name: DDMtxOutputPowerLowWarning (484) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: txOutputPowerLowWarning (370)	<ul style="list-style-type: none"> • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the output power of an SFP or XFP approaches the maximum threshold value.		
Raising condition: ('failedThresholds'anyBit'Tx Output Power Low Warning')		
Clearing condition: NOT (('failedThresholds'anyBit'Tx Output Power Low Warning'))		
Remedial action: Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 33-43 downgradedCardAlarm

Alarm	Attributes	Applicable major NE releases
Name: downgradedCardAlarm (256) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: downgradedCard (195)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when an IOM is not upgraded or reset after a device software upgrade of both CPMs. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
Raising condition: ('operationalState' EQUAL 'Downgrade')		
Clearing condition: ('operationalState' EQUAL 'Up')		
Remedial action: Informational - no corrective action required.		

Table 33-44 EquipmentAdministrativelyDown

Alarm	Attributes	Applicable major NE releases
Name: EquipmentAdministrativelyDown (455) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: minor Implicitly cleared: true Default probable cause: equipmentAdministrativelyDown (326)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentAdministrativelyDown.		
Raising condition: ('compositeEquipmentState' EQUAL 'Admin Down')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Admin Down')		
Remedial action: Informational - no corrective action required.		

Table 33-45 EquipmentDegraded

Alarm	Attributes	Applicable major NE releases
Name: EquipmentDegraded (604) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: minor Implicitly cleared: true Default probable cause: singleFanFailure (450)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when a single fan fails. The chassis attempts to continue operating within the normal temperature range using only the remaining fans.		
Raising condition: ('Device State' EQUAL 'MinorFailure')		
Clearing condition: ('Device State' NOT EQUAL 'MinorFailure')		
Remedial action: The failed fan unit should be replaced.		

Table 33-46 EquipmentDown

Alarm	Attributes	Applicable major NE releases
Name: EquipmentDown (10) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: inoperableEquipment (8)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentOperationallyDown.		
Raising condition: ('compositeEquipmentState' EQUAL 'Oper Down')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Oper Down')		
Remedial action: This alarm indicates that a card in the NE has failed. The card must be replaced.		

Table 33-47 EquipmentFailure

Alarm	Attributes	Applicable major NE releases
Name: EquipmentFailure (145) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.ReplaceableUnit	Severity: critical Implicitly cleared: true Default probable cause: cardFailure (123)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when a control processor or power-supply tray reports a failure. When the object type is ControlProcessor, a CPM may be unable to boot. When the object type is Power Supply Tray and the alarm is raised during device discovery, a power-supply tray may be out of service. When the object type is a Power Supply Tray and the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
Raising condition: ('operationalState' EQUAL 'Failed')		
Clearing condition: ('operationalState' NOT EQUAL 'Failed')		

(1 of 2)

33 – Alcatel-Lucent OS9700E/9800E alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: If the alarm indicates that the CPM card has a fault, remove the card and reset it. If this does not clear the alarm then please contact Alcatel-Lucent support for assistance. If the alarm indicates that the Power Supply tray is out of service ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

(2 of 2)

Table 33-48 EquipmentInTest

Alarm	Attributes	Applicable major NE releases
Name: EquipmentInTest (11) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: warning Implicitly cleared: true Default probable cause: equipmentInTest (9)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when equipment enters a diagnostic state.		
Raising condition: ('compositeEquipmentState' EQUAL 'In Test')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'In Test')		
Remedial action: Informational - no corrective action required.		

Table 33-49 EquipmentMismatch

Alarm	Attributes	Applicable major NE releases
Name: EquipmentMismatch (9) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: equipmentTypeMismatch (7)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMismatch.		
Raising condition: ('compositeEquipmentState' EQUAL 'Type Mismatch')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Type Mismatch')		
Remedial action: A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

Table 33-50 EquipmentRemoved

Alarm	Attributes	Applicable major NE releases
Name: EquipmentRemoved (8) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: replaceableEquipmentRemoved (6)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMissing.		
Raising condition: (('compositeEquipmentState' EQUAL 'Removed') AND ('isEquipmentInserted' EQUAL 'true'))		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Removed')		
Remedial action: Informational - this alarm is raised when a card is removed.		

(2 of 2)

Table 33-51 EthernetPortConfiguredLoopback

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortConfiguredLoopback (801) Type: configurationAlarm (11) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: warning Implicitly cleared: true Default probable cause: ethernetPortConfiguredLoopback (567)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when a timed loopback is in effect for an Ethernet port.		
Raising condition: (('Type' NOT EQUAL 'None'))		
Clearing condition: (('Type' EQUAL 'None'))		
Remedial action: This alarm has been raised by the node because "Timed Loopback" option of the specific port's Ethernet property has been enabled. To resolve this problem from "Ethernet" tab of "Physical Port" properties form configure "Timed Loopback" Type property as "None".		

Table 33-52 EthernetPortDuplicateLane

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortDuplicateLane (3557) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: DuplicateLane (1387)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when a device reports a Duplicate Lane on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 33-53 EthernetPortHighBer

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortHighBer (307) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when a device reports a high bit-error rate on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))		
Remedial action: One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 33-54 EthernetPortLocalFault

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortLocalFault (305) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: LocalFault (236)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when a device reports a local fault on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))		
Remedial action: One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 33-55 EthernetPortNoAmLock

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortNoAmLock (3558) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoAmLock (1388)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when a device reports a No Am Lock on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: NOT (((('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

(2 of 2)

Table 33-56 EthernetPortNoBlockLock

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortNoBlockLock (3559) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoBlockLock (1389)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when a device reports a No Block Lock on an Ethernet port.		
Raising condition: ((('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock')))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock'))))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 33-57 EthernetPortNoFrameLock

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortNoFrameLock (306) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoFrameLock (237)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when a device reports No Frame Lock on an Ethernet port.		
Raising condition: ((('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock')))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock'))))		
Remedial action: One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 33-58 EthernetPortRemoteFault

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortRemoteFault (304) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: RemoteFault (235)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when a device reports a remote fault on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault'))		
Remedial action: One of the following conditions exists on the remote physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 33-59 EthernetPortSignalFailure

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortSignalFailure (303) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: SignalFailure (234)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when a device reports a signal failure on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))		
Remedial action: One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 33-60 FanFailure

Alarm	Attributes	Applicable major NE releases
Name: FanFailure (624) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: fanFailure (116)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the associated fan is not operationally Up.		
Raising condition: (('Device State' EQUAL 'Failed') OR ('Device State' EQUAL 'Unknown') OR ('Device State' EQUAL 'OutOfService'))		
Clearing condition: ('Device State' EQUAL 'OK')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: Remove and reset the fan unit. If this does not resolve the problem replace the fan.		

(2 of 2)

Table 33-61 FanTrayRemoved

Alarm	Attributes	Applicable major NE releases
Name: FanTrayRemoved (569) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: FanTrayRemoved (438)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the deviceState attribute has a value of deviceNotEquipped.		
Raising condition: ('Device State' EQUAL 'Not Equipped')		
Clearing condition: ('Device State' NOT EQUAL 'Not Equipped')		
Remedial action: Informational - a fan tray has been removed from the NE.		

Table 33-62 ForwardingTableSizeLimitReached

Alarm	Attributes	Applicable major NE releases
Name: ForwardingTableSizeLimitReached (164) Type: resourceAlarm (28) Package: I2fwd Raised on class: I2fwd.SiteFib	Severity: major Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the number of MAC address entries in the FIB reaches or exceeds the VPLS site high watermark specified by I2fwd.SiteFib.highWatermark. The alarm clears when the number of MAC address entries in the FIB drops below the VPLS site low watermark specified by I2fwd.SiteFib.lowWatermark. The alarm can be raised against a VPLS site, L2 access interface, or spoke SDP binding.		
Raising condition: (('Entries' >= 'Size') OR ('Entries' >= (('High Watermark' * 'Size') / 100.0)))		
Clearing condition: (('Entries' < 'Size') AND (('High Watermark' EQUAL '0L') OR ('Entries' < (('Low Watermark' * 'Size') / 100.0))) AND (('Low Watermark' EQUAL '0L') OR ('Entries' < (('Low Watermark' * 'Size') / 100.0)))		
Remedial action: Informational		

Table 33-63 FrameSizeProblem (netw)

Alarm	Attributes	Applicable major NE releases
Name: FrameSizeProblem (37) Type: configurationAlarm (11) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: frameSizeProblem (33)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when a provisioned MTU size value is greater than the supported MTU size value.		
Raising condition: (('mtuMismatch' EQUAL 'true') AND ('portId' NOT EQUAL 'OL'))		
Clearing condition: (('mtuMismatch' EQUAL 'false') OR ('portId' EQUAL 'OL'))		
Remedial action: A configuration error has been made which must be corrected. The MTU value must be changed such that is less than or equal to the supported MTU size value.		

Table 33-64 FrameSizeProblem (svt)

Alarm	Attributes	Applicable major NE releases
Name: FrameSizeProblem (37) Type: configurationAlarm (11) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: frameSizeProblem (33)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when a provisioned MTU size value is greater than the supported MTU size value.		
Raising condition: (('Operational State' EQUAL 'MTU Mismatch') OR ('Operational State' EQUAL 'Tunnel MTU Too Small'))		
Clearing condition: (('Operational State' NOT EQUAL 'MTU Mismatch') AND ('Operational State' NOT EQUAL 'Tunnel MTU Too Small'))		
Remedial action: The MTU value must be changed such that is less than or equal to the supported MTU size value.		

Table 33-65 GaPeerDown

Alarm	Attributes	Applicable major NE releases
Name: GaPeerDown (3303) Type: EpcAlarm (59) Package: Iteggns Raised on class: Iteggns.GaPeer	Severity: major Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the path management state of a Ga peer changes to a state other than Up.		
Raising condition: ('Path Management State' NOT EQUAL 'Active')		
Clearing condition: ('Path Management State' EQUAL 'Active')		
Remedial action: A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

Table 33-66 IfVlanSubTypeConflict

Alarm	Attributes	Applicable major NE releases
Name: IfVlanSubTypeConflict (213) Type: configurationAlarm (11) Package: vlan Raised on class: vlan.L2AccessInterface	Severity: major Implicitly cleared: true Default probable cause: topologyMisconfigured (81)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when more than one type of VLAN service is configured with the same VLAN ID. The alarm is raised against an L2 access interface.		
Raising condition: ('vlanSubTypeConflict' EQUAL 'true')		
Clearing condition: ('vlanSubTypeConflict' EQUAL 'false')		
Remedial action: Ensure that only one type of VLAN Service is configured with the VLAN ID used by this Interface.		

Table 33-67 IgmpDown

Alarm	Attributes	Applicable major NE releases
Name: IgmpDown (158) Type: ProtocolAlarm (1) Package: igmp Raised on class: igmp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when an IGMP site has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: While configured under VPRN, check if VPRN site is admin down, or if route distinguisher is not configured.		

Table 33-68 IgmpSnoopingDown

Alarm	Attributes	Applicable major NE releases
Name: IgmpSnoopingDown (161) Type: ProtocolAlarm (1) Package: layer2 Raised on class: layer2.Bridge	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when IGMP snooping is disabled on an NE and a TLS VLAN or MVR VLAN service is provisioned on the NE.		
Raising condition: ('IGMP Snooping' EQUAL 'Disabled')		
Clearing condition: ('IGMP Snooping' EQUAL 'Enabled')		
Remedial action: To clear the alarm, enable IGMP Snooping under the Bridge Instance.		

Table 33-69 IncompleteConfiguration

Alarm	Attributes	Applicable major NE releases
Name: IncompleteConfiguration (1942) Type: operationalViolation (93) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: incompleteConfig (225)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when a pre-provisioned NE has no objects configured beneath it.		
Raising condition: (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' EQUAL '\'))		
Clearing condition: (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' NOT EQUAL '\'))		
Remedial action: A configuration error has been made which must be corrected. The configuration of the pre-provisioned NE is incomplete. A work order was not associated with the pre-provisioned NE and as a consequence the attempt to auto-configure the NE failed.		

Table 33-70 InterfaceDown (netw)

Alarm	Attributes	Applicable major NE releases
Name: InterfaceDown (36) Type: InterfaceAlarm (13) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when an interface or underlying resource fails, as indicated by an interface compositeState attribute value of failed or underlyingResourceFailed.		
Raising condition: (('compositeState' EQUAL 'Inoperable') OR ('compositeState' EQUAL 'Underlying Resource Inoperable'))		
Clearing condition: (('compositeState' NOT EQUAL 'Inoperable') AND ('compositeState' NOT EQUAL 'Underlying Resource Inoperable'))		
Remedial action: A physical port (physical interface, LAG, channel) associated with the network interface is not operation. Ensure that the interface is cabled and that there isn't a configuration error (i.e. MTU size set incorrectly) on the interface. Once the issue w		

Table 33-71 IsisDown

Alarm	Attributes	Applicable major NE releases
Name: IsisDown (19) Type: ProtocolAlarm (1) Package: isis Raised on class: isis.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when an IS-IS site has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: The protocol is not working anymore, could be a problem with IP addresses, resources on the device, ...		

(2 of 2)

Table 33-72 KeepAliveProblem

Alarm	Attributes	Applicable major NE releases
Name: KeepAliveProblem (100) Type: oamAlarm (18) Package: svt Raised on class: svt.Tunnel	Severity: warning Implicitly cleared: true Default probable cause: keepAliveFailed (86)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the 5620 SAM detects a keep-alive protocol status of senderIdInvalid or responderIdError.		
Raising condition: (('Keep-Alive State' NOT EQUAL 'Disabled') AND ('Keep-Alive State' NOT EQUAL 'Alive') AND ('Keep-Alive State' NOT EQUAL 'Unknown'))		
Clearing condition: (('Keep-Alive State' EQUAL 'Disabled') OR ('Keep-Alive State' EQUAL 'Alive') OR ('Keep-Alive State' EQUAL 'Unknown'))		
Remedial action: Check the configuration of this tunnel and underlying physical transport.		

Table 33-73 LabelProblem

Alarm	Attributes	Applicable major NE releases
Name: LabelProblem (98) Type: CircuitAlarm (17) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: labelProblem (84)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when an ingress or an egress label is missing.		
Raising condition: (('Operational State' EQUAL 'No Egress Label') OR ('Operational State' EQUAL 'No Ingress Label') OR ('Operational State' EQUAL 'No Labels'))		
Clearing condition: (('Operational State' NOT EQUAL 'No Egress Label') AND ('Operational State' NOT EQUAL 'No Ingress Label') AND ('Operational State' NOT EQUAL 'No Labels'))		
Remedial action: An ingress or egress label is missing for the SDP binding.		

Table 33-74 LagDown

Alarm	Attributes	Applicable major NE releases
Name: LagDown (20) Type: equipmentAlarm (3) Package: lag Raised on class: lag.Interface	Severity: critical Implicitly cleared: true Default probable cause: lagDown (17)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when all ports in a LAG are operationally down.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
Clearing condition: (('operationalState' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: This alarm indicates that all physical Ethernet links associated with a LAG are operationally down. The reasons for the links to be down may vary from link to link. The following possible causes of this alarm should be investigated. The physical port (near end or far end) may have failed - this can be remedied by replacing the interface card in question. The physical links may have been turned down administratively - re-enable the links. A cable failure or disconnect may have occurred - please ensure that the cables are properly connected to the physical port and that the cable has not been damaged.		

Table 33-75 LagPortAddFailed

Alarm	Attributes	Applicable major NE releases
Name: LagPortAddFailed (422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: warning Implicitly cleared: true Default probable cause: linkDown (315)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the Lag Port Add function Fails.		
Raising condition: (('state' EQUAL 'Link Down') AND ('LAG ID' > '0'))		
Clearing condition: (('state' NOT EQUAL 'Link Down') OR ('LAG ID' EQUAL '0'))		
Remedial action: A configuration error has occurred which must be corrected. The link that was to be added to the LAG group may be of the wrong type (i.e. non ethernet) or the limit of the number of links supported in a LAG may have been reached.		

Table 33-76 LdpDown

Alarm	Attributes	Applicable major NE releases
Name: LdpDown (22) Type: ProtocolAlarm (1) Package: ldp Raised on class: ldp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when an LDP site has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: Check operational state down reason and update accordingly.		

Table 33-77 LdpSessionNonexistent

Alarm	Attributes	Applicable major NE releases
Name: LdpSessionNonexistent (2954) Type: LdpSessionAlarm (101) Package: ldp Raised on class: ldp.Session	Severity: critical Implicitly cleared: true Default probable cause: LdpSessionDown (1149)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when an LDP session is non-existent.		
Raising condition: ('Session State' EQUAL 'Non-existent')		
Clearing condition: ('Session State' EQUAL 'Operational')		
Remedial action: Please check the LDP session path to make sure all associated protocols/interfaces/connections are OK.		

Table 33-78 LdpTargetedPeerDown

Alarm	Attributes	Applicable major NE releases
Name: LdpTargetedPeerDown (23) Type: ProtocolAlarm (1) Package: ldp Raised on class: ldp.TargetedPeer	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when an LDP targeted peer is operationally down.		
Raising condition: (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
Clearing condition: (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
Remedial action: Please check the route to LDP targeted peer to make sure all associated protocols/interfaces/connections are OK.		

Table 33-79 LicensedLimitExceeded

Alarm	Attributes	Applicable major NE releases
Name: LicensedLimitExceeded (127) Type: licensingAlarm (23) Package: security Raised on class: security.ProductLicense	Severity: critical Implicitly cleared: true Default probable cause: licensedLimitExceeded (106)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the license items in the network exceeds 100 percent of the license capacity.		
Raising condition: ('Exceeded' EQUAL 'true')		
Clearing condition: ('Exceeded' NOT EQUAL 'true')		
Remedial action: Informational - The number of SAM licenses purchased and available on the SAM server is insufficient as compared to the number of NEs/MDA/Cells under management in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

Table 33-80 LinkDown

Alarm	Attributes	Applicable major NE releases
Name: LinkDown (12) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: portLinkProblem (10)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when a port has no associated physical link or remote end point is operationally down.		
Raising condition: (('compositeEquipmentState' EQUAL 'Link Down') OR ('compositeEquipmentState' EQUAL 'Oper Down'))		
Clearing condition: (('compositeEquipmentState' NOT EQUAL 'Link Down') AND ('compositeEquipmentState' NOT EQUAL 'Oper Down'))		
Remedial action: Please make sure that port has physical link and remote end point is operationally up.		

Table 33-81 LowTemperatureDetected

Alarm	Attributes	Applicable major NE releases
Name: LowTemperatureDetected (1127) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOvercooled (838)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the chassis temperature falls below the minimum threshold.		
Raising condition: ('Low Temperature State' EQUAL 'Low')		
Clearing condition: ('Low Temperature State' NOT EQUAL 'Low')		
Remedial action: The NE has detected internal temperatures which are abnormally low. This may happen when the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 33-82 LowTemperatureThresholdCrossed

Alarm	Attributes	Applicable major NE releases
Name: LowTemperatureThresholdCrossed (1128) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Environment	Severity: major Implicitly cleared: true Default probable cause: equipmentOvercooled (838)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when a low-temperature threshold is crossed.		
Raising condition: ('lowTemperatureThresholdCrossed' EQUAL 'true')		
Clearing condition: ('lowTemperatureThresholdCrossed' EQUAL 'false')		
Remedial action: The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 33-83 LpsViolation

Alarm	Attributes	Applicable major NE releases
Name: LpsViolation (518) Type: learnedPortSecurityAlarm (51) Package: lps Raised on class: lps.LearnedPortSecurity	Severity: major Implicitly cleared: true Default probable cause: learnedPortSecurityViolation (393)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the 5620 SAM detects an LPS violation.		
Raising condition: ('Operational State' EQUAL 'Security Violated')		
Clearing condition: ('Operational State' EQUAL 'Down')		
Remedial action: Port reset is required to return the port to normal operation.		

Table 33-84 LspDown

Alarm	Attributes	Applicable major NE releases
Name: LspDown (25) Type: pathAlarm (12) Package: mpls Raised on class: mpls.Lsp	Severity: critical Implicitly cleared: true Default probable cause: lspDown (19)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the Operational State of an LSP is Down, but the Administrative State is Up.		
Raising condition: (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
Clearing condition: (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
Remedial action: So many things can cause LSP down, check if source and destination interfaces are down, LSP path is down and the failure code, or MPLS path is down...		

Table 33-85 macMoveRateExceeded (service)

Alarm	Attributes	Applicable major NE releases
Name: macMoveRateExceeded (3690) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: minor Implicitly cleared: true Default probable cause: MacMoveRateExceeded (1429)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site.		
Raising condition: ('State Cause'anyBit'Relearn Limit Exceeded')		
Clearing condition: NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		
Remedial action: Informational.		

Table 33-86 macMoveRateExceeded (svt)

Alarm	Attributes	Applicable major NE releases
Name: macMoveRateExceeded (3690) Type: SpokeSdpBindingAlarm (104) Package: svt Raised on class: svt.SpokeSdpBinding	Severity: minor Implicitly cleared: true Default probable cause: MacMoveRateExceeded (1429)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the SDP exceeds the Service Site's MAC Move Frequency.		
Raising condition: ('operationalFlags'anyBit'Relearn Limit Exceeded')		
Clearing condition: NOT (('operationalFlags'anyBit'Relearn Limit Exceeded'))		
Remedial action: Check Service Site MAC move frequency or underlying physical link to understand issue.		

Table 33-87 macMoveRateExceededNonBlock (service)

Alarm	Attributes	Applicable major NE releases
Name: macMoveRateExceededNonBlock (4893) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: info Implicitly cleared: true Default probable cause: MacMoveRateExceededNonBlock (1951)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site when limitMacMove(sapTIsLimitMacMove) is set to 'nonBlocking'.		
Raising condition: ('State Cause'anyBit'Relearn Limit Exceeded')		
Clearing condition: NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		
Remedial action: Informational - User can adjust the value of 'MAC Move Maximum Rate' to reduce the frequency of this alarm.		

Table 33-88 MepAISReceivedAlarm

Alarm	Attributes	Applicable major NE releases
Name: MepAISReceivedAlarm (2945) Type: oamAlarm (18) Package: ethernetOam Raised on class: ethernetOam.Mep	Severity: variable Implicitly cleared: true Default probable cause: missingRemoteMep (388)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when a MEP Receives AIS test frames from one or more of its sub-layer MEPs.		
Raising condition: (('AIS Received (AisRx)' EQUAL 'true') AND ('Facility VLAN ID' EQUAL '0'))		
Clearing condition: ('AIS Received (AisRx)' EQUAL 'false')		
Remedial action: This alarm indicates that it has received a MEP fault from a sub-layer MEP, user should investigate the fault cause on the sub-layer MEP and resolve this root cause issue.		

Table 33-89 MobileConnectorDown

Alarm	Attributes	Applicable major NE releases
Name: MobileConnectorDown (1064) Type: EpcAlarm (59) Package: Iteservice Raised on class: Iteservice.MobileServiceConnector	Severity: minor Implicitly cleared: true Default probable cause: EpcDown (519)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the 5620 SAM no longer manages the EPS path instance of this mobile service site. As a result, the service must be regenerated.		
Raising condition: ('EPS Path' EQUAL '\\"')'		
Clearing condition: ('EPS Path' NOT EQUAL '\\"')'		
Remedial action: The underlying transport network has gone down resulting in the deletion of a mobile service connector (EPS path). Correct the issue with the transport network and regenerate the mobile service connector by clicking on the re-calculate button on the mobile service properties form.		

Table 33-90 MplsDown

Alarm	Attributes	Applicable major NE releases
Name: MplsDown (27) Type: ProtocolAlarm (1) Package: mpls Raised on class: mpls.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when an MPLS site has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: Check operational down reason and update accordingly.		

Table 33-91 MvrSiteDown

Alarm	Attributes	Applicable major NE releases
Name: MvrSiteDown (162) Type: ProtocolAlarm (1) Package: layer2 Raised on class: layer2.MvrSite	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when MVR is disabled on an NE and a TLS VLAN or MVR VLAN service is provisioned on the NE.		
Raising condition: ('MVR Admin Status' EQUAL 'Disabled')		
Clearing condition: ('MVR Admin Status' EQUAL 'Enabled')		
Remedial action: To clear the alarm, enable MVR Admin Status under the Bridge Instance.		

Table 33-92 NeighborDown

Alarm	Attributes	Applicable major NE releases
Name: NeighborDown (121) Type: NeighborDown (20) Package: ospf Raised on class: ospf.AbstractNeighbor	Severity: major Implicitly cleared: true Default probable cause: NeighborDown (103)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when an OSPF interface neighbor is operationally Down.		
Raising condition: ('Operational State' NOT EQUAL 'full')		
Clearing condition: ('Operational State' EQUAL 'full')		
Remedial action: This alarm is raised when the OSPF interface neighbor is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 33-93 NeManagementAndTrapManagementMismatch

Alarm	Attributes	Applicable major NE releases
Name: NeManagementAndTrapManagementMismatch (1079) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: neManagementChange (817)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: This user-defined alarm is raised when the NE configuration is one of the following: - The Active Management IP is set to Out Of Band, and the Primary Route Preference is set to In Band. - The Active Management IP is set to In Band, and the Primary Route Preference is set to Out of Band.		
Raising condition: (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only'))) AND ('Primary Route Preference' EQUAL 'Out Of Band')) AND ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only'))) AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'Out Of Band'))		
Clearing condition: (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only'))) AND ('Primary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only'))) AND ('Primary Route Preference' EQUAL 'Out Of Band'))		
Remedial action: A configuration error has been made which must be corrected. The parameters described in the description for this alarm must match.		

Table 33-94 NewSsh2ServerKeyDetected

Alarm	Attributes	Applicable major NE releases
Name: NewSsh2ServerKeyDetected (285) Type: communicationsAlarm (4) Package: security Raised on class: security.KnownHostKey	Severity: warning Implicitly cleared: true Default probable cause: ssh2ServerKeyMismatch (217)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when a 5620 SAM main server detects a new public SSH key.		
Raising condition: ('SSH2 Server Key Status' EQUAL 'Mismatch SSH2 Host Key')		
Clearing condition: ('SSH2 Server Key Status' EQUAL 'Active SSH2 Host Key')		
Remedial action: Informational - possible security breach. The SSH key of the router is different from the one known to the SAM server.		

Table 33-95 NodeDatabaseFallbackDetected

Alarm	Attributes	Applicable major NE releases
Name: NodeDatabaseFallbackDetected (2923) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseFallback (1121)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when a configuration fallback is detected on the node and comes back up with a previous configuration. To correct this situation it might be necessary to reconfigure the node, or perform full resync its database with the 'fallback' configuration returned by the node.		
Raising condition: ('State' EQUAL 'Node Configuration Fallback')		
Clearing condition: ('State' EQUAL 'Managed')		
Remedial action: the NE has come back to a previous configuration. Perform a manual Full Resync or a Reconfigure of the NE		

Table 33-96 NodeDatabaseMisalignmentDetected

Alarm	Attributes	Applicable major NE releases
Name: NodeDatabaseMisalignmentDetected (2924) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseMisalignment (1122)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when a configuration misalignment has been detected on the node and comes back up with an unexpected configuration (configuration change triggered by external tool) To correct this situation it might be necessary to reconfigure the node with the 5620 SAM's old configuration or accept the new configuration received from the node.		
Raising condition: ('State' EQUAL 'Node Configuration Misalignment')		
Clearing condition: ('State' EQUAL 'Managed')		
Remedial action: the NE configuration is misaligned. Perform a resync in order to update SAM configuration according to the NE.		

Table 33-97 NodeSuspended

Alarm	Attributes	Applicable major NE releases
Name: NodeSuspended (5123) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: NodeSuspend (2057)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the 5620 SAM detects an NE moved to suspend state as per user request.		
Raising condition: ('SNMP Reachability' EQUAL 'Suspended')		
Clearing condition: ('SNMP Reachability' NOT EQUAL 'Suspended')		
Remedial action: This alarm is raised when user suspends the network element. The alarm will be cleared when the network element is managed back.		

Table 33-98 OrphanNodeDetected

Alarm	Attributes	Applicable major NE releases
Name: OrphanNodeDetected (4866) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.AdvertisedNode	Severity: major Implicitly cleared: true Default probable cause: nodeNotMangedByAnyEms (1934)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when node is node managed by any EMS after n retries(threshold crossed) it is manually cleared by the operator or when the node is discovered.		
Raising condition: ('state' EQUAL 'orphan')		
Remedial action: The NE is not managed by any SAM. Add an discory rule in order to managed it.		

Table 33-99 OspfInterfaceDown

Alarm	Attributes	Applicable major NE releases
Name: OspfInterfaceDown (141) Type: OspfInterfaceDown (24) Package: ospf Raised on class: ospf.Interface	Severity: warning Implicitly cleared: true Default probable cause: OspfInterfaceDown (112)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when an OSPF interface is operationally down.		
Raising condition: ('operationalState' EQUAL 'Down')		
Clearing condition: ('operationalState' NOT EQUAL 'Down')		
Remedial action: This alarm is raised when the OSPF interface is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 33-100 OverTemperatureDetected

Alarm	Attributes	Applicable major NE releases
Name: OverTemperatureDetected (388) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the chassis temperature exceeds the maximum threshold value.		
Raising condition: ('Over Temperature State' EQUAL 'Over')		
Clearing condition: ('Over Temperature State' NOT EQUAL 'Over')		
Remedial action: The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 33-101 PartialResyncProblem

Alarm	Attributes	Applicable major NE releases
Name: PartialResyncProblem (4401) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: partialResyncProblem (1578)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when an Partial Resync on an NE fails. For example, when resyncing only some MIB entries as opposed to a full resync. The periodic reachability test (sysUpTime) is not considered a partial resync, neither is a full resync. However, a PartialResyncProblem alarm can only be reset by a FullResync.		
Raising condition: ('partialResyncStatus' EQUAL 'Partial Resync Failed')		
Clearing condition: ('partialResyncStatus' EQUAL 'Partial Resync Done')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE.		

Table 33-102 PersistentIndexParametersMisconfigured

Alarm	Attributes	Applicable major NE releases
Name: PersistentIndexParametersMisconfigured (173) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: persistentIndexConfigurationMismatch (136)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when persistence is set to Off in the NE BOF.		
Raising condition: (('Persistent SNMP Indices' EQUAL 'False') OR (('hasRedundantProcessorCards' EQUAL 'true') AND ('Redundant Synchronization Mode' EQUAL 'None')))		

(1 of 2)

33 – Alcatel-Lucent OS9700E/9800E alarms

Alarm	Attributes	Applicable major NE releases
Clearing condition: (('Persistent SNMP Indices' EQUAL 'True') AND (('hasRedundantProcessorCards' EQUAL 'false') OR ('Redundant Synchronization Mode' NOT EQUAL 'None')))		
Remedial action: A configuration error has occurred that must be corrected. Use the CLI on the NE to enable persistency in the BOF. The discovery process will complete on the next discovery scan. A re-scan can be triggered immediately for the NE from within the discovery manager		

(2 of 2)

Table 33-103 PimDown

Alarm	Attributes	Applicable major NE releases
Name: PimDown (184) Type: ProtocolAlarm (1) Package: pim Raised on class: pim.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when a PIM site is administratively Up but operationally Down. The alarm is cleared when the PIM site becomes operationally Up but administratively Down.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: This should never happen. Contact Alcatel-Lucent Customer Support for assistance.		

Table 33-104 PollerProblem

Alarm	Attributes	Applicable major NE releases
Name: PollerProblem (31) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: resyncFailed (24)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
Raising condition: ('Resync Status' EQUAL 'Full Resync Failed')		
Clearing condition: ('Resync Status' EQUAL 'Full Resync Done')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 33-105 PowerSupplyFailure

Alarm	Attributes	Applicable major NE releases
Name: PowerSupplyFailure (633) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: critical Implicitly cleared: true Default probable cause: powerSupplyFailure (117)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when a power-supply tray reports a failure. When the alarm is raised during device discovery, a power-supply tray may be out of service. When the alarm is raised while the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
Raising condition: (('Power Supply 1 Status' EQUAL 'Not Equipped') OR ('Power Supply 1 Status' EQUAL 'Failed'))		
Clearing condition: (('Power Supply 1 Status' EQUAL 'OK'))		
Remedial action: Ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 33-106 PowerSupplyInputFeedDown

Alarm	Attributes	Applicable major NE releases
Name: PowerSupplyInputFeedDown (5422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: minor Implicitly cleared: true Default probable cause: powerSupplyInputFeedDown (2073)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: This alarm is generated if any one of the input feeds for a given power supply is not supplying power.		
Raising condition: (('Input Feed Status' EQUAL 'Input A Down') OR ('Input Feed Status' EQUAL 'Input B Down') OR (('Input Feed Status'allBits'Input A Down') AND ('Input Feed Status'allBits'Input B Down'))		
Clearing condition: ('Input Feed Status' EQUAL 'None')		
Remedial action: Restore all of the input feeds that are not supplying power.		

Table 33-107 PowerSupplyRemoved

Alarm	Attributes	Applicable major NE releases
Name: PowerSupplyRemoved (542) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: major Implicitly cleared: true Default probable cause: PowerSupplyRemoved (415)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when a chassis power supply is removed.		
Raising condition: ('Power Supply 1 Status' EQUAL 'Not Equipped')		
Clearing condition: ('Power Supply 1 Status' NOT EQUAL 'Not Equipped')		
Remedial action: To recover from this event, the customer is requested to add a new power supply to the system, or change a faulty power supply with a working one.		

Table 33-108 PrimaryImageBootFailure

Alarm	Attributes	Applicable major NE releases
Name: PrimaryImageBootFailure (191) Type: configurationAlarm (11) Package: sw Raised on class: sw.CardSoftware	Severity: warning Implicitly cleared: true Default probable cause: bootOptionFileMisconfigured (150)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the primary software image specified in an NE BOF is unusable.		
Raising condition: (('imageSource' NOT EQUAL 'Primary') AND ('imageSource' NOT EQUAL 'Unknown'))		
Clearing condition: (('imageSource' EQUAL 'Primary') OR ('imageSource' EQUAL 'Unknown'))		
Remedial action: The SW image on the NE may have been inadvertently corrupted. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

Table 33-109 RadiusOperStatusDown

Alarm	Attributes	Applicable major NE releases
Name: RadiusOperStatusDown (3692) Type: radiusOperStatusDownAlarm (105) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: radiusOperationStatusDown (1431)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when all RADIUS servers have gone down.		
Raising condition: ('Global RADIUS Operational State' EQUAL 'Down')		
Clearing condition: ('Global RADIUS Operational State' EQUAL 'Up')		
Remedial action: Verify the RADIUS server is properly configured and radius server state is up. Check the connectivity between SAM server and radius server configured on the Network element.		

Table 33-110 ReachabilityProblem

Alarm	Attributes	Applicable major NE releases
Name: ReachabilityProblem (243) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ReachabilityTestFailed (176)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when an Mediation poll of the SysUpTimeAlarm object on an NE fails, for example, because of network congestion or because the NE is too busy to respond. The probable cause is an unreachable NE Mediation agent on the NE. By default, the 5620 SAM polls a managed NE every two minutes. If a poll fails, the alarm is raised. The 5620 SAM polls the NE two minutes after the first failure. If successive polls fail, the 5620 SAM raises the polling interval for the NE by two minutes after each failure to a maximum of 12 min. The polling interval remains at 12 min until the 5620 SAM receives a response from the NE. The alarm clears when the 5620 SAM receives a response from the NE, and the 5620 SAM GUI icon that represents the NE turns from red to green.		
Raising condition: ('SNMP Reachability' EQUAL 'Down')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

(2 of 2)

Table 33-111 ReconfigFailure

Alarm	Attributes	Applicable major NE releases
Name: ReconfigFailure (1949) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: failedReconfig (937)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: This alarm is raised when the reconfig action failed.		
Raising condition: ('State' EQUAL 'Failed')		
Clearing condition: ('State' NOT EQUAL 'Failed')		
Remedial action: Verify that the object is configured as expected.		

Table 33-112 RedundantMepMisconfiguration

Alarm	Attributes	Applicable major NE releases
Name: RedundantMepMisconfiguration (3631) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: minor Implicitly cleared: true Default probable cause: misconfiguredRedundantMep (1416)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when an Active and Redundant MEP do not have the same Id, Operational MAC Address or Sub Group configured.		
Raising condition: ('validRedundantMepConfig' EQUAL 'false')		
Clearing condition: ('validRedundantMepConfig' EQUAL 'true')		
Remedial action: MC-LAG redundant MEP configuration (MEP ID or Mac Address) for Active & Standby Interfaces do not match, this could cause issues with CFM or CCM tests if Active interface changes. Delete and Re-create Standby MEP to match Active.		

Table 33-113 RedundantMepMissing

Alarm	Attributes	Applicable major NE releases
Name: RedundantMepMissing (3632) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: minor Implicitly cleared: true Default probable cause: missingRedundantMep (1417)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when a MEP misses a redundant counterpart on LAG or SAP.		
Raising condition: (('MC-LAG Inactive' NOT EQUAL 'Not Applicable') AND ('Redundant MEP' EQUAL '\'))		
Clearing condition: (('MC-LAG Inactive' EQUAL 'Not Applicable') OR (('MC-LAG Inactive' NOT EQUAL 'Not Applicable') AND ('Redundant MEP' NOT EQUAL '\')))		
Remedial action: MC-LAG redundant MEP is missing Active & Standby Interfaces, this will cause issues with CFM or CCM tests if Active interface changes. Create missing Active/Standby MEP to match existing.		

Table 33-114 RemoteMepCCMAAlarm

Alarm	Attributes	Applicable major NE releases
Name: RemoteMepCCMAAlarm (502) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: major Implicitly cleared: true Default probable cause: missingRemoteMep (388)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when a MEP loses connectivity with one or more remote MEPs. The Remote MEP DB State tab on a MEP lists the missing remote MEPs.		
Raising condition: ('High-Priority Defect' NOT EQUAL '0')		
Clearing condition: ('High-Priority Defect' EQUAL '0')		
Remedial action: MEP has lost communication with Remote MEP defined in Maintenance Association (MEG) Remote MEP list, Either Remote MEP list is incorrect or diagnose connection fault and resolve.		

Table 33-115 RipDown

Alarm	Attributes	Applicable major NE releases
Name: RipDown (72) Type: ProtocolAlarm (1) Package: rip Raised on class: rip.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when a RIP site has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: The RIP Site is down while it is administratively up. Please check the node e.g. IOM is not shutdown or installed.		

Table 33-116 SaveConfigFailed

Alarm	Attributes	Applicable major NE releases
Name: SaveConfigFailed (105) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileAccessError (90)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the admin save command on an NE fails.		
Raising condition: ('Config Save State' EQUAL 'Failure')		
Clearing condition: ('Config Save State' EQUAL 'Success')		
Remedial action: Attempt the admin save command a second time. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 33-117 ScheduledPollerProblem

Alarm	Attributes	Applicable major NE releases
Name: ScheduledPollerProblem (4386) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: scheduledResyncFailed (1569)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
Raising condition: ('Scheduled Resync Status' EQUAL 'Scheduled Resync Failed')		
Clearing condition: ('Scheduled Resync Status' EQUAL 'Scheduled Resync Done')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 33-118 SdpBindingTunnelDown

Alarm	Attributes	Applicable major NE releases
Name: SdpBindingTunnelDown (222) Type: CircuitAlarm (17) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: SdpTunnelNotReady (167)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when an SDP binding tunnel has an Operational State other than Up.		
Raising condition: (('Operational State' EQUAL 'Tunnel Not Ready') OR ('Operational State' EQUAL 'Tunnel Down'))		
Clearing condition: (('Operational State' NOT EQUAL 'Tunnel Not Ready') AND ('Operational State' NOT EQUAL 'Tunnel Down'))		

(1 of 2)

33 – Alcatel-Lucent OS9700E/9800E alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: To resolve this alarm check the endpoints of the SDP binding to determine if a configuration mismatch exists. If configuration matches then the underlying network resource between the endpoints of the SDP may be down. Further investigation is required to determine why the underlying transport network is down.		

(2 of 2)

Table 33-119 SdpEgressIfsNetDomainInConsistent

Alarm	Attributes	Applicable major NE releases
Name: SdpEgressIfsNetDomainInConsistent (3616) Type: resourceAlarm (28) Package: svt Raised on class: svt.Tunnel	Severity: warning Implicitly cleared: true Default probable cause: sdpEgressIfsNetDomainInConsistent (1405)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the SDP egress interface's consistency state changes to inconsistent.		
Raising condition: ('Egress Interfaces Consistency State' EQUAL '3')		
Clearing condition: ('Egress Interfaces Consistency State' EQUAL '2')		
Remedial action: To resolve this alarm check egress interfaces of the SDP configuration. If configuration is determined to be correct check underlying physical transport. Further investigation is required.		

Table 33-120 ServiceSiteDown

Alarm	Attributes	Applicable major NE releases
Name: ServiceSiteDown (97) Type: serviceAlarm (16) Package: service Raised on class: service.Site	Severity: critical Implicitly cleared: true Default probable cause: siteDown (83)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when all SAPs on a site are operationally down, or when the service tunnels for the site are operationally down.		
Raising condition: (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'All Spoke SDP Bindings are Standby'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'All Spoke SDP Bindings are Standby'))		
Remedial action: The network resources (i.e. physical ports for SAPs, or physical ports/LSP) associated with the service site should be examined to determine if/why they are operationally down. The underlying transport network supporting the site may also be unreliable.		

Table 33-121 SiteManagementVlanConflict

Alarm	Attributes	Applicable major NE releases
Name: SiteManagementVlanConflict (223) Type: configurationAlarm (11) Package: vlan Raised on class: vlan.Site	Severity: warning Implicitly cleared: true Default probable cause: topologyMisconfigured (81)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the management VLAN ID is used for another type of service.		
Raising condition: ('managementVlanConflict' EQUAL 'true')		
Clearing condition: ('managementVlanConflict' EQUAL 'false')		
Remedial action: Ensure that the VLAN ID of this Management Service Site is not used on any other type of VLAN Service Site.		

Table 33-122 SiteVlanSubTypeConflict

Alarm	Attributes	Applicable major NE releases
Name: SiteVlanSubTypeConflict (224) Type: configurationAlarm (11) Package: vlan Raised on class: vlan.Site	Severity: major Implicitly cleared: true Default probable cause: topologyMisconfigured (81)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when more than one type of VLAN service has the same VLAN ID. The alarm is raised against a site.		
Raising condition: ('vlanSubTypeConflict' EQUAL 'true')		
Clearing condition: ('vlanSubTypeConflict' EQUAL 'false')		
Remedial action: Ensure that only one type of VLAN Service is configured with the VLAN ID used by this Site.		

Table 33-123 StatsRetrieveFailed

Alarm	Attributes	Applicable major NE releases
Name: StatsRetrieveFailed (244) Type: configurationAlarm (11) Package: sw Raised on class: sw.AccountingStatsRetrievalManager	Severity: major Implicitly cleared: false Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the 5620 SAM main or auxiliary server cannot transfer an accounting file from an NE.		
Raising condition: (('Stats Retrieval State' NOT EQUAL 'Success') AND ('Stats Retrieval State' NOT EQUAL 'Not Attempted'))		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy or otherwise cannot respond to the 5620 SAM main or auxiliary server.		

Table 33-124 SubscriberSystemNextHopUsageHigh

Alarm	Attributes	Applicable major NE releases
Name: SubscriberSystemNextHopUsageHigh (5157) Type: thresholdCrossed (6) Package: netw Raised on class: netw.NetworkElement	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit.		
Raising condition: ('IP Next Hop Usage High' EQUAL 'true')		
Clearing condition: ('IP Next Hop Usage High' EQUAL 'false')		
Remedial action: The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit. There is no immediate effect, but when the usage actually hits the limit, new hosts will not get their managed routes.		

Table 33-125 TemperatureThresholdCrossed

Alarm	Attributes	Applicable major NE releases
Name: TemperatureThresholdCrossed (7) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Environment	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when a temperature crosses a threshold.		
Raising condition: ('temperatureThresholdCrossed' EQUAL 'true')		
Clearing condition: ('temperatureThresholdCrossed' EQUAL 'false')		
Remedial action: The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 33-126 TlsSiteDown

Alarm	Attributes	Applicable major NE releases
Name: TlsSiteDown (163) Type: ProtocolAlarm (1) Package: layer2 Raised on class: layer2.TlsSite	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when MVR is disabled on an NE and a TLS VLAN or MVR VLAN service is provisioned on the NE.		
Raising condition: ('TLS Admin Status' EQUAL 'Disabled')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: ('TLS Admin Status' EQUAL 'Enabled')		
Remedial action: To clear the alarm, enable TLS Admin Status under the Bridge Instance.		

(2 of 2)

Table 33-127 TmnxEqPortEtherLoopDetected

Alarm	Attributes	Applicable major NE releases
Name: TmnxEqPortEtherLoopDetected (461) Type: portEtherLoopDetected (48) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when a device detects a physical loop on an Ethernet port.		
Raising condition: (('Down When Looped Status' EQUAL 'Loop Detected'))		
Clearing condition: (('Down When Looped Status' EQUAL 'No Loop Detected'))		
Remedial action: An Ethernet port has been mis-cabled - please remove the loopback cable on the port.		

Table 33-128 TrapDestinationMisconfigured

Alarm	Attributes	Applicable major NE releases
Name: TrapDestinationMisconfigured (33) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: trapDestinationMisconfigured (26) Applicable probable causes: <ul style="list-style-type: none"> • trapDestinationMisconfigured • duplicateTrapLogId 	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the 5620 SAM cannot be added to the NE's SNMP trap destinations.		
Raising condition: ('isTrapDestinationMisconfigured' EQUAL 'true')		
Clearing condition: ('isTrapDestinationMisconfigured' EQUAL 'false')		
Remedial action: A configuration error has been made which must be corrected. The SNMP trap destination on the NE must be configured to the IP address of the SAM server.		

Table 33-129 TrapReceivingFailure

Alarm	Attributes	Applicable major NE releases
Name: TrapReceivingFailure (1083) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: false Default probable cause: trapsWillNotBeSent (822)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: This user-defined alarm is raised when the NE is unable to send traps because the NE configuration is one of the following: - The Management IP Selection is set to Out Of Band Only, the Primary Route Preference is set to In Band, and the Secondary Route Preference is set to None. - The Management IP Selection is set to In Band Only, the Primary Route Preference is set to Out Of Band, and the Secondary Route Preference is set to None.		
Raising condition: (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
Clearing condition: (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND ('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND ('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band'))))		
Remedial action: A configuration error has been made which must be corrected. The configuration error must be corrected per the discussion in the description for this alarm.		

Table 33-130 TrapRoutePreferenceRedundancyMissing

Alarm	Attributes	Applicable major NE releases
Name: TrapRoutePreferenceRedundancyMissing (1084) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: trapsRedundancyMissing (823)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The user-defined alarm is raised when NE management redundancy is configured without trap route preference redundancy.		
Raising condition: (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
Clearing condition: (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Secondary Route Preference' NOT EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Secondary Route Preference' NOT EQUAL 'None'))))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: A configuration error has been made which must be corrected. The IP address of the standby SAM server must be configured on the NE in question.		

(2 of 2)

Table 33-131 TunnelAdministrativelyDown (svt)

Alarm	Attributes	Applicable major NE releases
Name: TunnelAdministrativelyDown (523) Type: pathAlarm (12) Package: svt Raised on class: svt.Tunnel	Severity: minor Implicitly cleared: true Default probable cause: tunnelAdministrativelyDown (333)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the 5620 SAM detects that a service tunnel is administratively down.		
Raising condition: ('administrativeState' NOT EQUAL 'Up')		
Clearing condition: ('administrativeState' EQUAL 'Up')		
Remedial action: Informational - an operator has manually turned down a service tunnel.		

Table 33-132 TunnelDown (svt)

Alarm	Attributes	Applicable major NE releases
Name: TunnelDown (30) Type: pathAlarm (12) Package: svt Raised on class: svt.AbstractTunnel	Severity: critical Implicitly cleared: true Default probable cause: tunnelDown (23)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the 5620 SAM detects that a service tunnel is operationally down.		
Raising condition: (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up'))		
Clearing condition: (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up'))		
Remedial action: This alarm indicates that a problem has been made in the underlying transport network. If the alarm persists or re-occurs frequently then investigation of the underlying transport issues is warranted.		

Table 33-133 UnidentifiedNode

Alarm	Attributes	Applicable major NE releases
Name: UnidentifiedNode (1922) Type: communicationsAlarm (4) Package: netw Raised on class: netw.DiscoveredNode	Severity: major Implicitly cleared: true Default probable cause: unidentifiedNode (922)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6

(1 of 2)

33 – Alcatel-Lucent OS9700E/9800E alarms

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when the node being discovered can not be properly identified.		
Raising condition: ('State' EQUAL 'Pending Identification')		
Clearing condition: ('State' NOT EQUAL 'Pending Identification')		
Remedial action: A configuration error has occurred that must be corrected. The eNodeB does not have a system name. The name can be configured by selecting the alarm, opening the associated properties form for the alarmed object and configuring the system name.		

(2 of 2)

Table 33-134 UnmanageFailed

Alarm	Attributes	Applicable major NE releases
Name: UnmanageFailed (300) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.NodeDiscoveryControl	Severity: warning Implicitly cleared: true Default probable cause: unableToDeleteNode (231)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when an attempt to unmanage an NE fails.		
Raising condition: ('Site State' EQUAL 'unmanage failed')		
Clearing condition: ('Site State' NOT EQUAL 'unmanage failed')		
Remedial action: Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 33-135 unsupportedPortUsage

Alarm	Attributes	Applicable major NE releases
Name: unsupportedPortUsage (5184) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: warning Implicitly cleared: true Default probable cause: incompatiblePortUsage (2100)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised in case unsupported port type is configured		
Raising condition: (('portId' >= '1L') AND ('portId' <= '4L') AND ('specificCardType' EQUAL 'EASv2') AND (('Port Usage' EQUAL 'MPT-HC') OR ('Port Usage' EQUAL 'MPT-MC')))"		
Clearing condition: NOT (((('portId' >= '1L') AND ('portId' <= '4L') AND ('specificCardType' EQUAL 'EASv2') AND (('Port Usage' EQUAL 'MPT-HC') OR ('Port Usage' EQUAL 'MPT-MC')))))"		
Remedial action: This alarm indicates unsupported port usage. Port usage configured on the NE is not supported by SAM.		

Table 33-136 UpgradedBuildVersionMismatch

Alarm	Attributes	Applicable major NE releases
Name: UpgradedBuildVersionMismatch (174) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: upgradedImageNotBooted (137)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the software version that an NE reports after a software upgrade does not match the version of the software used for the upgrade.		
Raising condition: ('upgradedBuildVersionMismatch' EQUAL 'true')		
Clearing condition: ('upgradedBuildVersionMismatch' EQUAL 'false')		
Remedial action: Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 33-137 upgradedCardAlarm

Alarm	Attributes	Applicable major NE releases
Name: upgradedCardAlarm (255) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: upgradedCard (194)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the standby CPM is rebooted and operational after a software upgrade. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
Raising condition: ('operationalState' EQUAL 'Upgrade')		
Clearing condition: ('operationalState' EQUAL 'Up')		
Remedial action: Informational - no corrective action required.		

Table 33-138 VersionConfigRestoreFailed

Alarm	Attributes	Applicable major NE releases
Name: VersionConfigRestoreFailed (536) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: versionMismatch (405)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the restore procedure on an NE fails because of a mismatch between the backup file set version and the NE software version.		
Raising condition: ('lastNmsVersionRestoreState' EQUAL 'Failure')		
Clearing condition: ('lastNmsVersionRestoreState' EQUAL 'Success')		
Remedial action: The backup files being restored do not match with the version of node software release. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

Table 33-139 VirtualLinkDown

Alarm	Attributes	Applicable major NE releases
Name: VirtualLinkDown (122) Type: VirtualLinkAlarm (21) Package: ospf Raised on class: ospf.VirtualLink	Severity: warning Implicitly cleared: true Default probable cause: VirtualLinkDown (104)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when a virtual link is Down.		
Raising condition: ('Operational State' EQUAL 'Down')		
Clearing condition: ('Operational State' NOT EQUAL 'Down')		
Remedial action: This alarm is raised when the OSPF virtual link is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 33-140 VirtualNeighborDown

Alarm	Attributes	Applicable major NE releases
Name: VirtualNeighborDown (123) Type: VirtualNeighborDown (22) Package: ospf Raised on classes: <ul style="list-style-type: none"> • ospf.ShamLink • ospf.VirtualLink 	Severity: warning Implicitly cleared: true Default probable cause: VirtualNeighborDown (105)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when a neighbor virtual link is operationally down.		
Raising condition: ('neighborCount' EQUAL '0L')		
Clearing condition: ('neighborCount' NOT EQUAL '0L')		
Remedial action: This alarm is raised when the OSPF neighbor virtual link is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 33-141 WrongCpaaSoftwareVersion

Alarm	Attributes	Applicable major NE releases
Name: WrongCpaaSoftwareVersion (791) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: wrongCpaaSoftwareVersion (559)	<ul style="list-style-type: none"> • 6.4.3 • 6.4.4 • 6.4.5 • 6.4.6
Description: The alarm is raised when the 7701 CPAA software is the wrong version and requires an upgrade.		
Raising condition: (('Software Version' EQUAL "\"TiMOS-B-3.0.Generic \") AND ('Chassis Type' EQUAL '7701 CPAA'))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: (('Software Version' NOT EQUAL 'TIMOS-B-3.0.Generic "') AND ('Chassis Type' EQUAL '7701 CPAA'))		
Remedial action: The SW version of the CPAA must be upgraded to the version compatible with CPAM version.		

(2 of 2)

34 — Alcatel-Lucent OS9800 alarms



Note — Some alarms that the 5620 SAM can raise against this device may not be listed in this chapter. Associating alarms with specific NE types is an ongoing Alcatel-Lucent effort. If the 5620 SAM raises an alarm against this device type, and the alarm is not described in this chapter, see chapter 35 for information about the alarm.

Table 34-1 AccessInterfaceDown

Alarm	Attributes	Applicable major NE releases
Name: AccessInterfaceDown (249) Type: AccessInterfaceAlarm (32) Package: service Raised on class: service.AccessInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when an L2 or L3 interface operational state is Down. The alarm is not raised against an L2 access interface that is associated with an MC ring or MC LAG in the standby state.		
Raising condition: (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'Standby For MC-Ring') AND ('State Cause' NOT EQUAL 'Standby For MC-Lag') AND ('State Cause' NOT EQUAL 'Standby For BGP Multi-homing'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'Standby For MC-Ring') OR ('State Cause' EQUAL 'Standby For MC-Lag') OR ('State Cause' EQUAL 'Standby For BGP Multi-homing'))		
Remedial action: The condition exists because the physical interface is down either because it is administratively disabled, faulty or a cabling fault has occurred. Ensure that the interface is administratively up. Check for a poor cable connection to the port or for a faulty cable/fiber. If neither appears to be the problem run diagnostics on the port to determine if it is faulty.		

Table 34-2 ActiveAbnormalCondition

Alarm	Attributes	Applicable major NE releases
Name: ActiveAbnormalCondition (3938) Type: activeAbnormalConditionAlarm (116) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ActiveAbnormalConditionState (1520)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is an indication for abnormal condition on NE.		
Raising condition: ('abnormalCondition' EQUAL 'true')		
Clearing condition: ('abnormalCondition' EQUAL 'false')		
Remedial action: This alarm is raised when there is a abnormal state indication on NE.		

Table 34-3 AGWDiameterPeerDown

Alarm	Attributes	Applicable major NE releases
Name: AGWDiameterPeerDown (844) Type: EpcAlarm (59) Package: lte Raised on class: lte.AGWDiameterPeer	Severity: variable Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when the path management state of a Diameter peer changes to a state other than Up.		
Raising condition: ('Path Diameter Management State' NOT EQUAL 'Active')		
Clearing condition: ('Path Diameter Management State' EQUAL 'Active')		
Remedial action: A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

Table 34-4 AuxiliaryServerStatus

Alarm	Attributes	Applicable major NE releases
Name: AuxiliaryServerStatus (311) Type: communicationsAlarm (4) Package: server Raised on class: server.AuxiliaryServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when a 5620 SAM main server cannot communicate with an auxiliary server. The alarm clears when communication is restored.		
Raising condition: ('Server Status' EQUAL 'Down')		
Clearing condition: ('Server Status' EQUAL 'Up')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the AUX and SAM servers is unreliable.		

Table 34-5 BgpDown

Alarm	Attributes	Applicable major NE releases
Name: BgpDown (6) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when a BGP instance has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: The BGP protocol entity is down - administratively disable BGP and re-enable. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 34-6 BootableConfigBackupFailed

Alarm	Attributes	Applicable major NE releases
Name: BootableConfigBackupFailed (103) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when the 5620 SAM fails to back up a set of NE configuration files.		
Raising condition: ('Backup State' EQUAL 'Failure')		
Clearing condition: ('Backup State' EQUAL 'Success')		
Remedial action: Investigation is required to resolve the following possible scenarios: insufficient disk space is available to accommodate the NE configuration files (additional SAM platform alarms will accompany this alarm); the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

Table 34-7 BootableConfigRestoreFailed

Alarm	Attributes	Applicable major NE releases
Name: BootableConfigRestoreFailed (104) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when the 5620 SAM fails to restore a set of NE configuration files.		
Raising condition: ('Restore State' EQUAL 'Failure')		
Clearing condition: ('Restore State' EQUAL 'Success')		

(1 of 2)

34 – Alcatel-Lucent OS9800 alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: Investigation is required to resolve the following possible scenarios: the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

(2 of 2)

Table 34-8 BootParametersMisconfigured

Alarm	Attributes	Applicable major NE releases
Name: BootParametersMisconfigured (35) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: persistentIndexFailure (30) Applicable probable causes: <ul style="list-style-type: none"> • persistentIndexFailure • configFileBootFailure 	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when the SNMP Index Boot Status on an NE is not set to Persistent.		
Raising condition: (('isGenericNode' EQUAL 'false') AND ('State' NOT EQUAL 'Pre-provisioned') AND (('Config File Status' NOT EQUAL 'Executed Successfully') OR ('Persistent Index Status' NOT EQUAL 'Rebuild Succeeded')))		
Clearing condition: (('Config File Status' EQUAL 'Executed Successfully') AND ('Persistent Index Status' EQUAL 'Rebuild Succeeded'))		
Remedial action: Ensure that "SNMP Index Boot Status" is persistent (using cli command "show system information" on the NE). If not, unmanage the network element from SAM, ensure that "persist on" is set in the bof file, save the bof, save a config file, verify that an index file (.ndx) is saved as well, reboot the router, verify that SNMP Index Boot Status is persistent and finally remanage the router from SAM.		

Table 34-9 ClientDelegateServerStatus

Alarm	Attributes	Applicable major NE releases
Name: ClientDelegateServerStatus (731) Type: communicationsAlarm (4) Package: server Raised on class: server.ClientDelegateServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when a client delegate server is unreachable.		
Raising condition: ('Server Status' EQUAL 'Down')		
Clearing condition: ('Server Status' EQUAL 'Up')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the client delegate platform and SAM servers is unreliable or the client delegate server itself is unreliable.		

Table 34-10 ContainingEquipmentAdministrativelyDown

Alarm	Attributes	Applicable major NE releases
Name: ContainingEquipmentAdministrativelyDown (466) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: minor Implicitly cleared: true Default probable cause: containingEquipmentAdministrativelyDown (330)	<ul style="list-style-type: none"> 6.3.4 6.4.2 6.4.3
Description: The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentAdministrativelyDown.		
Raising condition: (('Status' EQUAL 'Parent Admin Down') AND ('isTerminatable' EQUAL 'true'))		
Clearing condition: (('Status' NOT EQUAL 'Parent Admin Down') OR ('isTerminatable' NOT EQUAL 'true'))		
Remedial action: Informational - no corrective action required.		

Table 34-11 ContainingEquipmentMismatch

Alarm	Attributes	Applicable major NE releases
Name: ContainingEquipmentMismatch (464) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentMismatch (328)	<ul style="list-style-type: none"> 6.3.4 6.4.2 6.4.3
Description: The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentMismatch.		
Raising condition: (('Status' EQUAL 'Parent Type Mismatch') AND ('isTerminatable' EQUAL 'true'))		
Clearing condition: (('Status' NOT EQUAL 'Parent Type Mismatch') OR ('isTerminatable' NOT EQUAL 'true'))		
Remedial action: A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

Table 34-12 ContainingEquipmentOperationallyDown

Alarm	Attributes	Applicable major NE releases
Name: ContainingEquipmentOperationallyDown (465) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentDown (329)	<ul style="list-style-type: none"> 6.3.4 6.4.2 6.4.3
Description: The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentOperationallyDown.		
Raising condition: (('Status' EQUAL 'Parent Oper Down') AND ('isTerminatable' EQUAL 'true'))		
Clearing condition: (('Status' NOT EQUAL 'Parent Oper Down') OR ('isTerminatable' NOT EQUAL 'true'))		

(1 of 2)

34 – Alcatel-Lucent OS9800 alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: The operational state of the equipment element indicated in the alarm is down. This may be due to the element's administrative state or it may indicate that the element has failed.		

(2 of 2)

Table 34-13 CorruptImageFile

Alarm	Attributes	Applicable major NE releases
Name: CorruptImageFile (171) Type: configurationAlarm (11) Package: mediation Raised on class: mediation.AbstractSoftwareFolderDescriptor	Severity: critical Implicitly cleared: true Default probable cause: invalidOrCorruptImageFile (134)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when one or more files in the 5620 SAM software image specified for a device software upgrade is invalid, corrupt or absent. The 5620 SAM validates a device software file set before it imports the file set and distributes it to an NE. Ensure that the file set downloads properly to the NE and is not tampered with before you re-attempt the upgrade. The alarm clears when a valid file set is on the NE and the 5620 SAM activates the software image in the file set.		
Raising condition: ('isImageValid' EQUAL 'false')		
Clearing condition: ('isImageValid' EQUAL 'true')		
Remedial action: The existing SW image in the SAM database should be replaced with an image that is known to be complete and valid.		

Table 34-14 downgradedCardAlarm

Alarm	Attributes	Applicable major NE releases
Name: downgradedCardAlarm (256) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: downgradedCard (195)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when an IOM is not upgraded or reset after a device software upgrade of both CPMs. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
Raising condition: ('operationalState' EQUAL 'Downgrade')		
Clearing condition: ('operationalState' EQUAL 'Up')		
Remedial action: Informational - no corrective action required.		

Table 34-15 EquipmentAdministrativelyDown

Alarm	Attributes	Applicable major NE releases
Name: EquipmentAdministrativelyDown (455) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: minor Implicitly cleared: true Default probable cause: equipmentAdministrativelyDown (326)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentAdministrativelyDown.		
Raising condition: ('compositeEquipmentState' EQUAL 'Admin Down')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Admin Down')		
Remedial action: Informational - no corrective action required.		

Table 34-16 EquipmentDegraded

Alarm	Attributes	Applicable major NE releases
Name: EquipmentDegraded (604) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: minor Implicitly cleared: true Default probable cause: singleFanFailure (450)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when a single fan fails. The chassis attempts to continue operating within the normal temperature range using only the remaining fans.		
Raising condition: ('Device State' EQUAL 'MinorFailure')		
Clearing condition: ('Device State' NOT EQUAL 'MinorFailure')		
Remedial action: The failed fan unit should be replaced.		

Table 34-17 EquipmentDown

Alarm	Attributes	Applicable major NE releases
Name: EquipmentDown (10) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: inoperableEquipment (8)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentOperationallyDown.		
Raising condition: ('compositeEquipmentState' EQUAL 'Oper Down')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Oper Down')		
Remedial action: This alarm indicates that a card in the NE has failed. The card must be replaced.		

Table 34-18 EquipmentFailure

Alarm	Attributes	Applicable major NE releases
Name: EquipmentFailure (145) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.ReplaceableUnit	Severity: critical Implicitly cleared: true Default probable cause: cardFailure (123)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when a control processor or power-supply tray reports a failure. When the object type is ControlProcessor, a CPM may be unable to boot. When the object type is Power Supply Tray and the alarm is raised during device discovery, a power-supply tray may be out of service. When the object type is a Power Supply Tray and the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
Raising condition: ('operationalState' EQUAL 'Failed')		
Clearing condition: ('operationalState' NOT EQUAL 'Failed')		
Remedial action: If the alarm indicates that the CPM card has a fault, remove the card and reset it. If this does not clear the alarm then please contact Alcatel-Lucent support for assistance. If the alarm indicates that the Power Supply tray is out of service ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 34-19 EquipmentInTest

Alarm	Attributes	Applicable major NE releases
Name: EquipmentInTest (11) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: warning Implicitly cleared: true Default probable cause: equipmentInTest (9)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when equipment enters a diagnostic state.		
Raising condition: ('compositeEquipmentState' EQUAL 'In Test')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'In Test')		
Remedial action: Informational - no corrective action required.		

Table 34-20 EquipmentMismatch

Alarm	Attributes	Applicable major NE releases
Name: EquipmentMismatch (9) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: equipmentTypeMismatch (7)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMismatch.		
Raising condition: ('compositeEquipmentState' EQUAL 'Type Mismatch')		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Type Mismatch')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

(2 of 2)

Table 34-21 EquipmentRemoved

Alarm	Attributes	Applicable major NE releases
Name: EquipmentRemoved (8) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: replaceableEquipmentRemoved (6)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMissing.		
Raising condition: (('compositeEquipmentState' EQUAL 'Removed') AND ('isEquipmentInserted' EQUAL 'true'))		
Clearing condition: ('compositeEquipmentState' NOT EQUAL 'Removed')		
Remedial action: Informational - this alarm is raised when a card is removed.		

Table 34-22 EthernetPortConfiguredLoopback

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortConfiguredLoopback (801) Type: configurationAlarm (11) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: warning Implicitly cleared: true Default probable cause: ethernetPortConfiguredLoopback (567)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when a timed loopback is in effect for an Ethernet port.		
Raising condition: (('Type' NOT EQUAL 'None'))		
Clearing condition: (('Type' EQUAL 'None'))		
Remedial action: This alarm has been raised by the node because "Timed Loopback" option of the specific port's Ethernet property has been enabled. To resolve this problem from "Ethernet" tab of "Physical Port" properties form configure "Timed Loopback" Type property as "None".		

Table 34-23 EthernetPortDuplicateLane

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortDuplicateLane (3557) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: DuplicateLane (1387)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when a device reports a Duplicate Lane on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 34-24 EthernetPortHighBer

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortHighBer (307) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when a device reports a high bit-error rate on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))		
Remedial action: One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 34-25 EthernetPortLocalFault

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortLocalFault (305) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: LocalFault (236)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when a device reports a local fault on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))))		
Remedial action: One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

(2 of 2)

Table 34-26 EthernetPortNoAmLock

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortNoAmLock (3558) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoAmLock (1388)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when a device reports a No Am Lock on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 34-27 EthernetPortNoBlockLock

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortNoBlockLock (3559) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoBlockLock (1389)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when a device reports a No Block Lock on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock'))		
Clearing condition: NOT (((('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock'))))		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 34-28 EthernetPortNoFrameLock

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortNoFrameLock (306) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoFrameLock (237)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when a device reports No Frame Lock on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock'))		
Remedial action: One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 34-29 EthernetPortRemoteFault

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortRemoteFault (304) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: RemoteFault (235)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when a device reports a remote fault on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault'))		
Clearing condition: NOT (('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault'))		
Remedial action: One of the following conditions exists on the remote physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 34-30 EthernetPortSignalFailure

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortSignalFailure (303) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: SignalFailure (234)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when a device reports a signal failure on an Ethernet port.		
Raising condition: (('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Clearing condition: NOT (((('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))))		
Remedial action: One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

(2 of 2)

Table 34-31 FanFailure

Alarm	Attributes	Applicable major NE releases
Name: FanFailure (624) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: fanFailure (116)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when the associated fan is not operationally Up.		
Raising condition: (('Device State' EQUAL 'Failed') OR ('Device State' EQUAL 'Unknown') OR ('Device State' EQUAL 'OutOfService'))		
Clearing condition: ('Device State' EQUAL 'OK')		
Remedial action: Remove and reset the fan unit. If this does not resolve the problem replace the fan.		

Table 34-32 FanTrayRemoved

Alarm	Attributes	Applicable major NE releases
Name: FanTrayRemoved (569) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: FanTrayRemoved (438)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when the deviceState attribute has a value of deviceNotEquipped.		
Raising condition: ('Device State' EQUAL 'Not Equipped')		
Clearing condition: ('Device State' NOT EQUAL 'Not Equipped')		
Remedial action: Informational - a fan tray has been removed from the NE.		

Table 34-33 FrameSizeProblem (netw)

Alarm	Attributes	Applicable major NE releases
Name: FrameSizeProblem (37) Type: configurationAlarm (11) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: frameSizeProblem (33)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when a provisioned MTU size value is greater than the supported MTU size value.		
Raising condition: (('mtuMismatch' EQUAL 'true') AND ('portId' NOT EQUAL 'OL'))		
Clearing condition: (('mtuMismatch' EQUAL 'false') OR ('portId' EQUAL 'OL'))		
Remedial action: A configuration error has been made which must be corrected. The MTU value must be changed such that is less than or equal to the supported MTU size value.		

Table 34-34 GaPeerDown

Alarm	Attributes	Applicable major NE releases
Name: GaPeerDown (3303) Type: EpcAlarm (59) Package: Iteggns Raised on class: Iteggns.GaPeer	Severity: major Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when the path management state of a Ga peer changes to a state other than Up.		
Raising condition: ('Path Management State' NOT EQUAL 'Active')		
Clearing condition: ('Path Management State' EQUAL 'Active')		
Remedial action: A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

Table 34-35 IfVlanSubTypeConflict

Alarm	Attributes	Applicable major NE releases
Name: IfVlanSubTypeConflict (213) Type: configurationAlarm (11) Package: vlan Raised on class: vlan.L2AccessInterface	Severity: major Implicitly cleared: true Default probable cause: topologyMisconfigured (81)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when more than one type of VLAN service is configured with the same VLAN ID. The alarm is raised against an L2 access interface.		
Raising condition: ('vlanSubTypeConflict' EQUAL 'true')		
Clearing condition: ('vlanSubTypeConflict' EQUAL 'false')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: Ensure that only one type of VLAN Service is configured with the VLAN ID used by this Interface.		

(2 of 2)

Table 34-36 IgmpDown

Alarm	Attributes	Applicable major NE releases
Name: IgmpDown (158) Type: ProtocolAlarm (1) Package: igmp Raised on class: igmp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when an IGMP site has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: While configured under VPRN, check if VPRN site is admin down, or if route distinguisher is not configured.		

Table 34-37 IgmpSnoopingDown

Alarm	Attributes	Applicable major NE releases
Name: IgmpSnoopingDown (161) Type: ProtocolAlarm (1) Package: layer2 Raised on class: layer2.Bridge	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when IGMP snooping is disabled on an NE and a TLS VLAN or MVR VLAN service is provisioned on the NE.		
Raising condition: ('IGMP Snooping' EQUAL 'Disabled')		
Clearing condition: ('IGMP Snooping' EQUAL 'Enabled')		
Remedial action: To clear the alarm, enable IGMP Snooping under the Bridge Instance.		

Table 34-38 IncompleteConfiguration

Alarm	Attributes	Applicable major NE releases
Name: IncompleteConfiguration (1942) Type: operationalViolation (93) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: incompleteConfig (225)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when a pre-provisioned NE has no objects configured beneath it.		

(1 of 2)

34 – Alcatel-Lucent OS9800 alarms

Alarm	Attributes	Applicable major NE releases
Raising condition: (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' EQUAL '\'))		
Clearing condition: (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' NOT EQUAL '\'))		
Remedial action: A configuration error has been made which must be corrected. The configuration of the pre-provisioned NE is incomplete. A work order was not associated with the pre-provisioned NE and as a consequence the attempt to auto-configure the NE failed.		

(2 of 2)

Table 34-39 InterfaceDown (netw)

Alarm	Attributes	Applicable major NE releases
Name: InterfaceDown (36) Type: InterfaceAlarm (13) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when an interface or underlying resource fails, as indicated by an interface compositeState attribute value of failed or underlyingResourceFailed.		
Raising condition: (('compositeState' EQUAL 'Inoperable') OR ('compositeState' EQUAL 'Underlying Resource Inoperable'))		
Clearing condition: (('compositeState' NOT EQUAL 'Inoperable') AND ('compositeState' NOT EQUAL 'Underlying Resource Inoperable'))		
Remedial action: A physical port (physical interface, LAG, channel) associated with the network interface in not operation. Ensure that the interface is cabled and that there isn't a configuration error (i.e. MTU size set incorrectly) on the interface. Once the issue w		

Table 34-40 IsisDown

Alarm	Attributes	Applicable major NE releases
Name: IsisDown (19) Type: ProtocolAlarm (1) Package: isis Raised on class: isis.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when an IS-IS site has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: The protocol is not working anymore, could be a problem with IP addresses, resources on the device, ...		

Table 34-41 LagDown

Alarm	Attributes	Applicable major NE releases
Name: LagDown (20) Type: equipmentAlarm (3) Package: lag Raised on class: lag.Interface	Severity: critical Implicitly cleared: true Default probable cause: lagDown (17)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when all ports in a LAG are operationally down.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
Clearing condition: (('operationalState' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: This alarm indicates that all physical Ethernet links associated with a LAG are operationally down. The reasons for the links to be down may vary from link to link. The following possible causes of this alarm should be investigated. The physical port (near end or far end may have failed - this can be remedied by replacing the interface card in question. The physical links may have been turned down administratively - re-enable the links. A cable failure or disconnect may have occurred - please ensure that the cables are properly connected to the physical port and and that the cable has not been damaged.		

Table 34-42 LagPortAddFailed

Alarm	Attributes	Applicable major NE releases
Name: LagPortAddFailed (422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: warning Implicitly cleared: true Default probable cause: linkDown (315)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when the Lag Port Add function Fails.		
Raising condition: (('state' EQUAL 'Link Down') AND ('LAG ID' > '0'))		
Clearing condition: (('state' NOT EQUAL 'Link Down') OR ('LAG ID' EQUAL '0'))		
Remedial action: A configuration error has occurred which must be corrected. The link that was to be added to the LAG group may be of the wrong type (i.e. non ethernet) or the limit of the number of links supported in a LAG may have been reached.		

Table 34-43 LicensedLimitExceeded

Alarm	Attributes	Applicable major NE releases
Name: LicensedLimitExceeded (127) Type: licensingAlarm (23) Package: security Raised on class: security.ProductLicense	Severity: critical Implicitly cleared: true Default probable cause: licensedLimitExceeded (106)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when the license items in the network exceeds 100 percent of the license capacity.		
Raising condition: ('Exceeded' EQUAL 'true')		
Clearing condition: ('Exceeded' NOT EQUAL 'true')		

(1 of 2)

34 – Alcatel-Lucent OS9800 alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: Informational - The number of SAM licenses purchased and available on the SAM server is insufficient as compared to the number of NEs/MDA/Cells under management in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

(2 of 2)

Table 34-44 LinkDown

Alarm	Attributes	Applicable major NE releases
Name: LinkDown (12) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: portLinkProblem (10)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when a port has no associated physical link or remote end point is operationally down.		
Raising condition: (('compositeEquipmentState' EQUAL 'Link Down') OR ('compositeEquipmentState' EQUAL 'Oper Down'))		
Clearing condition: (('compositeEquipmentState' NOT EQUAL 'Link Down') AND ('compositeEquipmentState' NOT EQUAL 'Oper Down'))		
Remedial action: Please make sure that port has physical link and remote end point is operationally up.		

Table 34-45 LowTemperatureDetected

Alarm	Attributes	Applicable major NE releases
Name: LowTemperatureDetected (1127) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOvercooled (838)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when the chassis temperature falls below the minimum threshold.		
Raising condition: ('Low Temperature State' EQUAL 'Low')		
Clearing condition: ('Low Temperature State' NOT EQUAL 'Low')		
Remedial action: The NE has detected internal temperatures which are abnormally low. This may happen when the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 34-46 LowTemperatureThresholdCrossed

Alarm	Attributes	Applicable major NE releases
Name: LowTemperatureThresholdCrossed (1128) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Environment	Severity: major Implicitly cleared: true Default probable cause: equipmentOvercooled (838)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when a low-temperature threshold is crossed.		
Raising condition: ('lowTemperatureThresholdCrossed' EQUAL 'true')		
Clearing condition: ('lowTemperatureThresholdCrossed' EQUAL 'false')		
Remedial action: The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 34-47 LpsViolation

Alarm	Attributes	Applicable major NE releases
Name: LpsViolation (518) Type: learnedPortSecurityAlarm (51) Package: lps Raised on class: lps.LearnedPortSecurity	Severity: major Implicitly cleared: true Default probable cause: learnedPortSecurityViolation (393)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when the 5620 SAM detects an LPS violation.		
Raising condition: ('Operational State' EQUAL 'Security Violated')		
Clearing condition: ('Operational State' EQUAL 'Down')		
Remedial action: Port reset is required to return the port to normal operation.		

Table 34-48 macMoveRateExceeded (service)

Alarm	Attributes	Applicable major NE releases
Name: macMoveRateExceeded (3690) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: minor Implicitly cleared: true Default probable cause: MacMoveRateExceeded (1429)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site.		
Raising condition: ('State Cause'anyBit'Relearn Limit Exceeded')		
Clearing condition: NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		
Remedial action: Informational.		

Table 34-49 macMoveRateExceededNonBlock (service)

Alarm	Attributes	Applicable major NE releases
Name: macMoveRateExceededNonBlock (4893) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: info Implicitly cleared: true Default probable cause: MacMoveRateExceededNonBlock (1951)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site when limitMacMove(sapTlsLimitMacMove) is set to 'nonBlocking'.		
Raising condition: ('State Cause'anyBit'Relearn Limit Exceeded')		
Clearing condition: NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		
Remedial action: Informational - User can adjust the value of 'MAC Move Maximum Rate' to reduce the frequency of this alarm.		

Table 34-50 MepAISReceivedAlarm

Alarm	Attributes	Applicable major NE releases
Name: MepAISReceivedAlarm (2945) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: variable Implicitly cleared: true Default probable cause: missingRemoteMep (388)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when a MEP Receives AIS test frames from one or more of its sub-layer MEPs.		
Raising condition: (('AIS Received (AisRx)' EQUAL 'true') AND ('Facility VLAN ID' EQUAL '0'))		
Clearing condition: ('AIS Received (AisRx)' EQUAL 'false')		
Remedial action: This alarm indicates that it has received a MEP fault from a sub-layer MEP, user should investigate the fault cause on the sub-layer MEP and resolve this root cause issue.		

Table 34-51 MobileConnectorDown

Alarm	Attributes	Applicable major NE releases
Name: MobileConnectorDown (1064) Type: EpcAlarm (59) Package: Iteservice Raised on class: Iteservice.MobileServiceConnector	Severity: minor Implicitly cleared: true Default probable cause: EpcDown (519)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when the 5620 SAM no longer manages the EPS path instance of this mobile service site. As a result, the service must be regenerated.		
Raising condition: ('EPS Path' EQUAL '\\"')'		
Clearing condition: ('EPS Path' NOT EQUAL '\\"')'		
Remedial action: The underlying transport network has gone down resulting in the deletion of a mobile service connector (EPS path). Correct the issue with the transport network and regenerate the mobile service connector by clicking on the re-calculate button on the mobile service properties form.		

Table 34-52 MvrSiteDown

Alarm	Attributes	Applicable major NE releases
Name: MvrSiteDown (162) Type: ProtocolAlarm (1) Package: layer2 Raised on class: layer2.MvrSite	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when MVR is disabled on an NE and a TLS VLAN or MVR VLAN service is provisioned on the NE.		
Raising condition: ('MVR Admin Status' EQUAL 'Disabled')		
Clearing condition: ('MVR Admin Status' EQUAL 'Enabled')		
Remedial action: To clear the alarm, enable MVR Admin Status under the Bridge Instance.		

Table 34-53 NeManagementAndTrapManagementMismatch

Alarm	Attributes	Applicable major NE releases
Name: NeManagementAndTrapManagementMismatch (1079) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: neManagementChange (817)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: This user-defined alarm is raised when the NE configuration is one of the following: - The Active Management IP is set to Out Of Band, and the Primary Route Preference is set to In Band. - The Active Management IP is set to In Band, and the Primary Route Preference is set to Out of Band.		
Raising condition: (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only')) AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only')) AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'Out Of Band'))))		
Clearing condition: (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only')) AND ('Primary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only')) AND ('Primary Route Preference' EQUAL 'Out Of Band'))))		
Remedial action: A configuration error has been made which must be corrected. The parameters described in the description for this alarm must match.		

Table 34-54 NewSsh2ServerKeyDetected

Alarm	Attributes	Applicable major NE releases
Name: NewSsh2ServerKeyDetected (285) Type: communicationsAlarm (4) Package: security Raised on class: security.KnownHostKey	Severity: warning Implicitly cleared: true Default probable cause: ssh2ServerKeyMismatch (217)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3

(1 of 2)

34 – Alcatel-Lucent OS9800 alarms

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when a 5620 SAM main server detects a new public SSH key.		
Raising condition: ('SSH2 Server Key Status' EQUAL 'Mismatch SSH2 Host Key')		
Clearing condition: ('SSH2 Server Key Status' EQUAL 'Active SSH2 Host Key')		
Remedial action: Informational - possible security breach. The SSH key of the router is different from the one known to the SAM server.		

(2 of 2)

Table 34-55 NodeDatabaseFallbackDetected

Alarm	Attributes	Applicable major NE releases
Name: NodeDatabaseFallbackDetected (2923) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseFallback (1121)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when a configuration fallback is detected on the node and comes back up with a previous configuration. To correct this situation it might be necessary to reconfigure the node, or perform full resync its database with the 'fallback' configuration returned by the node.		
Raising condition: ('State' EQUAL 'Node Configuration Fallback')		
Clearing condition: ('State' EQUAL 'Managed')		
Remedial action: the NE has come back to a previous configuration. Perform a manual Full Resync or a Reconfigure of the NE		

Table 34-56 NodeDatabaseMisalignmentDetected

Alarm	Attributes	Applicable major NE releases
Name: NodeDatabaseMisalignmentDetected (2924) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseMisalignment (1122)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when a configuration misalignment has been detected on the node and comes back up with an unexpected configuration (configuration change triggered by external tool) To correct this situation it might be necessary to reconfigure the node with the 5620 SAM's old configuration or accept the new configuration received from the node.		
Raising condition: ('State' EQUAL 'Node Configuration Misalignment')		
Clearing condition: ('State' EQUAL 'Managed')		
Remedial action: the NE configuration is misaligned. Perform a resync in order to update SAM configuration according to the NE.		

Table 34-57 NodeSuspended

Alarm	Attributes	Applicable major NE releases
Name: NodeSuspended (5123) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: NodeSuspend (2057)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when the 5620 SAM detects an NE moved to suspend state as per user request.		
Raising condition: ('SNMP Reachability' EQUAL 'Suspended')		
Clearing condition: ('SNMP Reachability' NOT EQUAL 'Suspended')		
Remedial action: This alarm is raised when user suspends the network element. The alarm will be cleared when the network element is managed back.		

Table 34-58 OrphanNodeDetected

Alarm	Attributes	Applicable major NE releases
Name: OrphanNodeDetected (4866) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.AdvertisedNode	Severity: major Implicitly cleared: true Default probable cause: nodeNotMangedByAnyEms (1934)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when node is node managed by any EMS after n retries(threshold crossed) it is manually cleared by the operator or when the node is discovered.		
Raising condition: ('state' EQUAL 'orphan')		
Remedial action: The NE is not managed by any SAM. Add an discory rule in order to managed it.		

Table 34-59 OverTemperatureDetected

Alarm	Attributes	Applicable major NE releases
Name: OverTemperatureDetected (388) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when the chassis temperature exceeds the maximum threshold value.		
Raising condition: ('Over Temperature State' EQUAL 'Over')		
Clearing condition: ('Over Temperature State' NOT EQUAL 'Over')		
Remedial action: The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 34-60 PartialResyncProblem

Alarm	Attributes	Applicable major NE releases
Name: PartialResyncProblem (4401) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: partialResyncProblem (1578)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when an Partial Resync on an NE fails. For example, when resyncing only some MIB entries as opposed to a full resync. The periodic reachability test (sysUpTime) is not considered a partial resync, neither is a full resync. However, a PartialResyncProblem alarm can only be reset by a FullResync.		
Raising condition: ('partialResyncStatus' EQUAL 'Partial Resync Failed')		
Clearing condition: ('partialResyncStatus' EQUAL 'Partial Resync Done')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE.		

Table 34-61 PersistentIndexParametersMisconfigured

Alarm	Attributes	Applicable major NE releases
Name: PersistentIndexParametersMisconfigured (173) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: persistentIndexConfigurationMismatch (136)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when persistence is set to Off in the NE BOF.		
Raising condition: (('Persistent SNMP Indices' EQUAL 'False') OR (('hasRedundantProcessorCards' EQUAL 'true') AND ('Redundant Synchronization Mode' EQUAL 'None')))		
Clearing condition: (('Persistent SNMP Indices' EQUAL 'True') AND (('hasRedundantProcessorCards' EQUAL 'false') OR ('Redundant Synchronization Mode' NOT EQUAL 'None')))		
Remedial action: A configuration error has occurred that must be corrected. Use the CLI on the NE to enable persistency in the BOF. The discovery process will complete on the next discovery scan. A re-scan can be triggered immediately for the NE from within the discovery manager		

Table 34-62 PimDown

Alarm	Attributes	Applicable major NE releases
Name: PimDown (184) Type: ProtocolAlarm (1) Package: pim Raised on class: pim.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when a PIM site is administratively Up but operationally Down. The alarm is cleared when the PIM site becomes operationally Up but administratively Down.		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: This should never happen. Contact Alcatel-Lucent Customer Support for assistance.		

(2 of 2)

Table 34-63 PollerProblem

Alarm	Attributes	Applicable major NE releases
Name: PollerProblem (31) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: resyncFailed (24)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
Raising condition: ('Resync Status' EQUAL 'Full Resync Failed')		
Clearing condition: ('Resync Status' EQUAL 'Full Resync Done')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 34-64 PowerSupplyFailure

Alarm	Attributes	Applicable major NE releases
Name: PowerSupplyFailure (633) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: critical Implicitly cleared: true Default probable cause: powerSupplyFailure (117)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when a power-supply tray reports a failure. When the alarm is raised during device discovery, a power-supply tray may be out of service. When the alarm is raised while the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
Raising condition: (('Power Supply 1 Status' EQUAL 'Not Equipped') OR ('Power Supply 1 Status' EQUAL 'Failed'))		
Clearing condition: (('Power Supply 1 Status' EQUAL 'OK'))		
Remedial action: Ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 34-65 PowerSupplyInputFeedDown

Alarm	Attributes	Applicable major NE releases
Name: PowerSupplyInputFeedDown (5422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: minor Implicitly cleared: true Default probable cause: powerSupplyInputFeedDown (2073)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: This alarm is generated if any one of the input feeds for a given power supply is not supplying power.		
Raising condition: (('Input Feed Status' EQUAL 'Input A Down') OR ('Input Feed Status' EQUAL 'Input B Down') OR (('Input Feed Status'allBits'Input A Down') AND ('Input Feed Status'allBits'Input B Down'))		
Clearing condition: ('Input Feed Status' EQUAL 'None')		
Remedial action: Restore all of the input feeds that are not supplying power.		

Table 34-66 PowerSupplyRemoved

Alarm	Attributes	Applicable major NE releases
Name: PowerSupplyRemoved (542) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: major Implicitly cleared: true Default probable cause: PowerSupplyRemoved (415)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when a chassis power supply is removed.		
Raising condition: ('Power Supply 1 Status' EQUAL 'Not Equipped')		
Clearing condition: ('Power Supply 1 Status' NOT EQUAL 'Not Equipped')		
Remedial action: To recover from this event, the customer is requested to add a new power supply to the system, or change a faulty power supply with a working one.		

Table 34-67 PrimaryImageBootFailure

Alarm	Attributes	Applicable major NE releases
Name: PrimaryImageBootFailure (191) Type: configurationAlarm (11) Package: sw Raised on class: sw.CardSoftware	Severity: warning Implicitly cleared: true Default probable cause: bootOptionFileMisconfigured (150)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when the primary software image specified in an NE BOF is unusable.		
Raising condition: (('imageSource' NOT EQUAL 'Primary') AND ('imageSource' NOT EQUAL 'Unknown'))		
Clearing condition: (('imageSource' EQUAL 'Primary') OR ('imageSource' EQUAL 'Unknown'))		
Remedial action: The SW image on the NE may have been inadvertently corrupted. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

Table 34-68 RadiusOperStatusDown

Alarm	Attributes	Applicable major NE releases
Name: RadiusOperStatusDown (3692) Type: radiusOperStatusDownAlarm (105) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: radiusOperationStatusDown (1431)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when all RADIUS servers have gone down.		
Raising condition: ('Global RADIUS Operational State' EQUAL 'Down')		
Clearing condition: ('Global RADIUS Operational State' EQUAL 'Up')		
Remedial action: Verify the RADIUS server is properly configured and radius server state is up. Check the connectivity between SAM server and radius server configured on the Network element.		

Table 34-69 ReachabilityProblem

Alarm	Attributes	Applicable major NE releases
Name: ReachabilityProblem (243) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ReachabilityTestFailed (176)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when an Mediation poll of the SysUpTimeAlarm object on an NE fails, for example, because of network congestion or because the NE is too busy to respond. The probable cause is an unreachable NE Mediation agent on the NE. By default, the 5620 SAM polls a managed NE every two minutes. If a poll fails, the alarm is raised. The 5620 SAM polls the NE two minutes after the first failure. If successive polls fail, the 5620 SAM raises the polling interval for the NE by two minutes after each failure to a maximum of 12 min. The polling interval remains at 12 min until the 5620 SAM receives a response from the NE. The alarm clears when the 5620 SAM receives a response from the NE, and the 5620 SAM GUI icon that represents the NE turns from red to green.		
Raising condition: ('SNMP Reachability' EQUAL 'Down')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 34-70 ReconfigFailure

Alarm	Attributes	Applicable major NE releases
Name: ReconfigFailure (1949) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: failedReconfig (937)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: This alarm is raised when the reconfig action failed.		
Raising condition: ('State' EQUAL 'Failed')		

(1 of 2)

34 – Alcatel-Lucent OS9800 alarms

Alarm	Attributes	Applicable major NE releases
Clearing condition: ('State' NOT EQUAL 'Failed')		
Remedial action: Verify that the object is configured as expected.		

(2 of 2)

Table 34-71 RedundantMepMisconfiguration

Alarm	Attributes	Applicable major NE releases
Name: RedundantMepMisconfiguration (3631) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: minor Implicitly cleared: true Default probable cause: misconfiguredRedundantMep (1416)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when an Active and Redundant MEP do not have the same Id, Operational MAC Address or Sub Group configured.		
Raising condition: ('validRedundantMepConfig' EQUAL 'false')		
Clearing condition: ('validRedundantMepConfig' EQUAL 'true')		
Remedial action: MC-LAG redundant MEP configuration (MEP ID or Mac Address) for Active & Standby Interfaces do not match, this could cause issues with CFM or CCM tests if Active interface changes. Delete and Re-create Standby MEP to match Active.		

Table 34-72 RedundantMepMissing

Alarm	Attributes	Applicable major NE releases
Name: RedundantMepMissing (3632) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: minor Implicitly cleared: true Default probable cause: missingRedundantMep (1417)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when a MEP misses a redundant counterpart on LAG or SAP.		
Raising condition: (('MC-LAG Inactive' NOT EQUAL 'Not Applicable') AND ('Redundant MEP' EQUAL '\'))		
Clearing condition: (('MC-LAG Inactive' EQUAL 'Not Applicable') OR (('MC-LAG Inactive' NOT EQUAL 'Not Applicable') AND ('Redundant MEP' NOT EQUAL '\')))		
Remedial action: MC-LAG redundant MEP is missing Active & Standby Interfaces, this will cause issues with CFM or CCM tests if Active interface changes. Create missing Active/Standby MEP to match existing.		

Table 34-73 RemoteMepCCMAAlarm

Alarm	Attributes	Applicable major NE releases
Name: RemoteMepCCMAAlarm (502) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: major Implicitly cleared: true Default probable cause: missingRemoteMep (388)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when a MEP loses connectivity with one or more remote MEPs. The Remote MEP DB State tab on a MEP lists the missing remote MEPs.		
Raising condition: ('High-Priority Defect' NOT EQUAL '0')		
Clearing condition: ('High-Priority Defect' EQUAL '0')		
Remedial action: MEP has lost communication with Remote MEP defined in Maintenance Association (MEG) Remote MEP list, Either Remote MEP list is incorrect or diagnose connection fault and resolve.		

Table 34-74 RipDown

Alarm	Attributes	Applicable major NE releases
Name: RipDown (72) Type: ProtocolAlarm (1) Package: rip Raised on class: rip.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when a RIP site has an Operational State other than Up, and the Administrative State is Up.		
Raising condition: (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
Remedial action: The RIP Site is down while it is administratively up. Please check the node e.g. IOM is not shutdown or installed.		

Table 34-75 SaveConfigFailed

Alarm	Attributes	Applicable major NE releases
Name: SaveConfigFailed (105) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileAccessError (90)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when the admin save command on an NE fails.		
Raising condition: ('Config Save State' EQUAL 'Failure')		
Clearing condition: ('Config Save State' EQUAL 'Success')		
Remedial action: Attempt the admin save command a second time. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 34-76 ScheduledPollerProblem

Alarm	Attributes	Applicable major NE releases
Name: ScheduledPollerProblem (4386) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: scheduledResyncFailed (1569)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
Raising condition: ('Scheduled Resync Status' EQUAL 'Scheduled Resync Failed')		
Clearing condition: ('Scheduled Resync Status' EQUAL 'Scheduled Resync Done')		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 34-77 ServiceSiteDown

Alarm	Attributes	Applicable major NE releases
Name: ServiceSiteDown (97) Type: serviceAlarm (16) Package: service Raised on class: service.Site	Severity: critical Implicitly cleared: true Default probable cause: siteDown (83)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when all SAPs on a site are operationally down, or when the service tunnels for the site are operationally down.		
Raising condition: (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'All Spoke SDP Bindings are Standby'))		
Clearing condition: (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'All Spoke SDP Bindings are Standby'))		
Remedial action: The network resources (i.e. physical ports for SAPs, or physical ports/LSP) associated with the service site should be examined to determine if/why they are operationally down. The underlying transport network supporting the site may also be unreliable.		

Table 34-78 SiteManagementVlanConflict

Alarm	Attributes	Applicable major NE releases
Name: SiteManagementVlanConflict (223) Type: configurationAlarm (11) Package: vlan Raised on class: vlan.Site	Severity: warning Implicitly cleared: true Default probable cause: topologyMisconfigured (81)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when the management VLAN ID is used for another type of service.		
Raising condition: ('managementVlanConflict' EQUAL 'true')		
Clearing condition: ('managementVlanConflict' EQUAL 'false')		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: Ensure that the VLAN ID of this Management Service Site is not used on any other type of VLAN Service Site.		

(2 of 2)

Table 34-79 SiteVlanSubTypeConflict

Alarm	Attributes	Applicable major NE releases
Name: SiteVlanSubTypeConflict (224) Type: configurationAlarm (11) Package: vlan Raised on class: vlan.Site	Severity: major Implicitly cleared: true Default probable cause: topologyMisconfigured (81)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when more than one type of VLAN service has the same VLAN ID. The alarm is raised against a site.		
Raising condition: ('vlanSubTypeConflict' EQUAL 'true')		
Clearing condition: ('vlanSubTypeConflict' EQUAL 'false')		
Remedial action: Ensure that only one type of VLAN Service is configured with the VLAN ID used by this Site.		

Table 34-80 StatsRetrieveFailed

Alarm	Attributes	Applicable major NE releases
Name: StatsRetrieveFailed (244) Type: configurationAlarm (11) Package: sw Raised on class: sw.AccountingStatsRetrievalManager	Severity: major Implicitly cleared: false Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when the 5620 SAM main or auxiliary server cannot transfer an accounting file from an NE.		
Raising condition: (('Stats Retrieval State' NOT EQUAL 'Success') AND ('Stats Retrieval State' NOT EQUAL 'Not Attempted'))		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy or otherwise cannot respond to the 5620 SAM main or auxiliary server.		

Table 34-81 SubscriberSystemNextHopUsageHigh

Alarm	Attributes	Applicable major NE releases
Name: SubscriberSystemNextHopUsageHigh (5157) Type: thresholdCrossed (6) Package: netw Raised on class: netw.NetworkElement	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3

(1 of 2)

34 – Alcatel-Lucent OS9800 alarms

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit.		
Raising condition: ('IP Next Hop Usage High' EQUAL 'true')		
Clearing condition: ('IP Next Hop Usage High' EQUAL 'false')		
Remedial action: The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit. There is no immediate effect, but when the usage actually hits the limit, new hosts will not get their managed routes.		

(2 of 2)

Table 34-82 TemperatureThresholdCrossed

Alarm	Attributes	Applicable major NE releases
Name: TemperatureThresholdCrossed (7) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Environment	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when a temperature crosses a threshold.		
Raising condition: ('temperatureThresholdCrossed' EQUAL 'true')		
Clearing condition: ('temperatureThresholdCrossed' EQUAL 'false')		
Remedial action: The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 34-83 TlsSiteDown

Alarm	Attributes	Applicable major NE releases
Name: TlsSiteDown (163) Type: ProtocolAlarm (1) Package: layer2 Raised on class: layer2.TlsSite	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when MVR is disabled on an NE and a TLS VLAN or MVR VLAN service is provisioned on the NE.		
Raising condition: ('TLS Admin Status' EQUAL 'Disabled')		
Clearing condition: ('TLS Admin Status' EQUAL 'Enabled')		
Remedial action: To clear the alarm, enable TLS Admin Status under the Bridge Instance.		

Table 34-84 TmnxEqPortEtherLoopDetected

Alarm	Attributes	Applicable major NE releases
Name: TmnxEqPortEtherLoopDetected (461) Type: portEtherLoopDetected (48) Package: ethernetEquipment Raised on class: ethernetEquipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when a device detects a physical loop on an Ethernet port.		
Raising condition: (('Down When Looped Status' EQUAL 'Loop Detected'))		
Clearing condition: (('Down When Looped Status' EQUAL 'No Loop Detected'))		
Remedial action: An Ethernet port has been mis-cabled - please remove the loopback cable on the port.		

Table 34-85 TrapDestinationMisconfigured

Alarm	Attributes	Applicable major NE releases
Name: TrapDestinationMisconfigured (33) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: trapDestinationMisconfigured (26) Applicable probable causes: <ul style="list-style-type: none"> • trapDestinationMisconfigured • duplicateTrapLogId 	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when the 5620 SAM cannot be added to the NE's SNMP trap destinations.		
Raising condition: ('isTrapDestinationMisconfigured' EQUAL 'true')		
Clearing condition: ('isTrapDestinationMisconfigured' EQUAL 'false')		
Remedial action: A configuration error has been made which must be corrected. The SNMP trap destination on the NE must be configured to the IP address of the SAM server.		

Table 34-86 TrapReceivingFailure

Alarm	Attributes	Applicable major NE releases
Name: TrapReceivingFailure (1083) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: false Default probable cause: trapsWillNotBeSent (822)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: This user-defined alarm is raised when the NE is unable to send traps because the NE configuration is one of the following: - The Management IP Selection is set to Out Of Band Only, the Primary Route Preference is set to In Band, and the Secondary Route Preference is set to None. - The Management IP Selection is set to In Band Only, the Primary Route Preference is set to Out Of Band, and the Secondary Route Preference is set to None.		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Raising condition: (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
Clearing condition: (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND ('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND ('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'In Band Preferred')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band'))))		
Remedial action: A configuration error has been made which must be corrected. The configuration error must be corrected per the discussion in the description for this alarm.		

(2 of 2)

Table 34-87 TrapRoutePreferenceRedundancyMissing

Alarm	Attributes	Applicable major NE releases
Name: TrapRoutePreferenceRedundancyMissing (1084) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: trapsRedundancyMissing (823)	<ul style="list-style-type: none"> 6.3.4 6.4.2 6.4.3
Description: The user-defined alarm is raised when NE management redundancy is configured without trap route preference redundancy.		
Raising condition: (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
Clearing condition: (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Secondary Route Preference' NOT EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Secondary Route Preference' NOT EQUAL 'None'))))		
Remedial action: A configuration error has been made which must be corrected. The IP address of the standby SAM server must be configured on the NE in question.		

Table 34-88 UnidentifiedNode

Alarm	Attributes	Applicable major NE releases
Name: UnidentifiedNode (1922) Type: communicationsAlarm (4) Package: netw Raised on class: netw.DiscoveredNode	Severity: major Implicitly cleared: true Default probable cause: unidentifiedNode (922)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when the node being discovered can not be properly identified.		
Raising condition: ('State' EQUAL 'Pending Identification')		
Clearing condition: ('State' NOT EQUAL 'Pending Identification')		
Remedial action: A configuration error has occurred that must be corrected. The eNodeB does not have a system name. The name can be configured by selecting the alarm, opening the associated properties form for the alarmed object and configuring the system name.		

Table 34-89 UnmanageFailed

Alarm	Attributes	Applicable major NE releases
Name: UnmanageFailed (300) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.NodeDiscoveryControl	Severity: warning Implicitly cleared: true Default probable cause: unableToDeleteNode (231)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when an attempt to unmanage an NE fails.		
Raising condition: ('Site State' EQUAL 'unmanage failed')		
Clearing condition: ('Site State' NOT EQUAL 'unmanage failed')		
Remedial action: Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 34-90 unsupportedPortUsage

Alarm	Attributes	Applicable major NE releases
Name: unsupportedPortUsage (5184) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: warning Implicitly cleared: true Default probable cause: incompatiblePortUsage (2100)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised in case unsupported port type is configured		
Raising condition: (('portId' >= '1L') AND ('portId' <= '4L') AND ('specificCardType' EQUAL 'EASv2') AND (('Port Usage' EQUAL 'MPT-HC') OR ('Port Usage' EQUAL 'MPT-MC')))"		
Clearing condition: NOT (((('portId' >= '1L') AND ('portId' <= '4L') AND ('specificCardType' EQUAL 'EASv2') AND (('Port Usage' EQUAL 'MPT-HC') OR ('Port Usage' EQUAL 'MPT-MC')))))"		
Remedial action: This alarm indicates unsupported port usage. Port usage configured on the NE is not supported by SAM.		

Table 34-91 UpgradedBuildVersionMismatch

Alarm	Attributes	Applicable major NE releases
Name: UpgradedBuildVersionMismatch (174) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: upgradedImageNotBooted (137)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when the software version that an NE reports after a software upgrade does not match the version of the software used for the upgrade.		
Raising condition: ('upgradedBuildVersionMismatch' EQUAL 'true')		
Clearing condition: ('upgradedBuildVersionMismatch' EQUAL 'false')		
Remedial action: Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 34-92 upgradedCardAlarm

Alarm	Attributes	Applicable major NE releases
Name: upgradedCardAlarm (255) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: upgradedCard (194)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when the standby CPM is rebooted and operational after a software upgrade. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
Raising condition: ('operationalState' EQUAL 'Upgrade')		
Clearing condition: ('operationalState' EQUAL 'Up')		
Remedial action: Informational - no corrective action required.		

Table 34-93 VersionConfigRestoreFailed

Alarm	Attributes	Applicable major NE releases
Name: VersionConfigRestoreFailed (536) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: versionMismatch (405)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when the restore procedure on an NE fails because of a mismatch between the backup file set version and the NE software version.		
Raising condition: ('lastNmsVersionRestoreState' EQUAL 'Failure')		
Clearing condition: ('lastNmsVersionRestoreState' EQUAL 'Success')		
Remedial action: The backup files being restored do not match with the version of node software release. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

Table 34-94 WrongCpaaSoftwareVersion

Alarm	Attributes	Applicable major NE releases
Name: WrongCpaaSoftwareVersion (791) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: wrongCpaaSoftwareVersion (559)	<ul style="list-style-type: none"> • 6.3.4 • 6.4.2 • 6.4.3
Description: The alarm is raised when the 7701 CPAA software is the wrong version and requires an upgrade.		
Raising condition: (('Software Version' EQUAL '"TiMOS-B-3.0.Generic "') AND ('Chassis Type' EQUAL '7701 CPAA'))		
Clearing condition: (('Software Version' NOT EQUAL '"TiMOS-B-3.0.Generic "') AND ('Chassis Type' EQUAL '7701 CPAA'))		
Remedial action: The SW version of the CPAA must be upgraded to the version compatible with CPAM version.		

35 — Unspecified NE alarms



Note — This chapter lists alarms that have no NE type specified. The alarms listed in this chapter may apply to one or more NE types, however, this information is not specified in the 5620 SAM alarm schema. Associating alarms with specific NE types is an ongoing Alcatel-Lucent effort.

Table 35-1 AARadiusAcctPlcyFailure

Alarm	Attributes	Applicable major NE releases
Name: AARadiusAcctPlcyFailure (3948) Type: AARadiusAcctPlcyFailureAlarm (120) Package: aapolicy Raised on class: aapolicy.AARadiusAccountingPolicy	Severity: major Implicitly cleared: false Default probable cause: aARadiusAcctPlcyFailure (1527)	Unspecified
Description: The alarm is raised when a RADIUS accounting request was not successfully sent to any of the RADIUS servers specified in the AA RADIUS accounting policy. The effect is accounting data for current subscribers will not be exported externally. Based on the noted reason, if necessary take action to ensure that the next RADIUS accounting will be successfully sent.		
Remedial action: The AA Radius Accounting Server(s) which are configured in the AA Radius Accounting Policy are unreachable. This may occur in a number of different scenarios. The server(s) may have become unresponsive - please refer to the AA Radius Accounting Server documentation for assistance. The network connectivity to the server(s) may have been lost - please investigate why the underlying transport network is unreliable.		

35 – Unspecified NE alarms

Table 35-2 AARadiusAcctServerStateChanged

Alarm	Attributes	Applicable major NE releases
Name: AARadiusAcctServerStateChanged (3949) Type: AARadiusAcctServerStateChangedAlarm (121) Package: aapolicy Raised on class: aapolicy.AARadiusAccountingServer	Severity: info Implicitly cleared: true Default probable cause: aARadiusAcctServerStateChanged (1528)	Unspecified
Description: The notification alarm is raised when the operational status of an AA RADIUS accounting policy server has transitioned from 'inService' to 'outOfService' and cleared when operational status transitioned from 'outOfService' to 'inService'.		
Raising condition: (('Operational State' EQUAL 'Out Of Service') AND ('isLocal' EQUAL 'true'))		
Clearing condition: ('Operational State' EQUAL 'In Service')		
Remedial action: Informational - This is a notification alarm to indicate that AA Radius Accounting Server which is configured in the AA Radius Accounting Policy is changing operational state.		

Table 35-3 AarpStateChanged

Alarm	Attributes	Applicable major NE releases
Name: AarpStateChanged (3705) Type: AarpStateChanged (108) Package: aapolicy Raised on class: aapolicy.Aarp	Severity: info Implicitly cleared: false Default probable cause: AarpStateChanged (1445)	Unspecified
Description: The alarm is raised when the 5620 SAM detects that an AARP state is changed.		
Remedial action: The application assurance redundancy protocol state is changed between standalone, remote, master or backup.		

Table 35-4 AAUrIFilterStateChanged

Alarm	Attributes	Applicable major NE releases
Name: AAUrIFilterStateChanged (4972) Type: processingErrorAlarm (81) Package: aapolicy Raised on class: aapolicy.AAUrIFilter	Severity: info Implicitly cleared: true Default probable cause: aAAUrIFilterStateChanged (2029)	Unspecified
Description: The notification alarm is raised when the operational status has transitioned from 'tmnxInService' to 'tmnxOutOfService' and cleared when operational status transitioned from 'tmnxOutOfService' to 'tmnxInService'.		
Raising condition: (('Operational State' EQUAL 'Down') AND ('isLocal' EQUAL 'true'))		
Clearing condition: ('Operational State' EQUAL 'Up')		
Remedial action: Informational - This is a notification alarm to indicate that AA URL Filter which is configured in the AA URL Filter Policy is changing operational state.		

Table 35-5 ABSAlarm

Alarm	Attributes	Applicable major NE releases
Name: ABSAlarm (5187) Type: equipmentAlarm (3) Package: isa Raised on class: isa.MgGroupMember	Severity: major Implicitly cleared: true Default probable cause: resourceLimitReached (131)	Unspecified
Description: The ABSAlarm is raised when a set of the internal parameters for ICC call latency and memory utilization reach the high threshold (activated) and cleared when it drop back and keep staying below the low threshold for at least some time period (de-activated)		
Remedial action: Diagnose why high memory utilization and/or control signaling overload happen.		

Table 35-6 ActivationSessionActiveTooLong

Alarm	Attributes	Applicable major NE releases
Name: ActivationSessionActiveTooLong (1153) Type: configurationAlarm (11) Package: activation Raised on class: activation.Session	Severity: warning Implicitly cleared: true Default probable cause: activationSessionOpen (857)	Unspecified
Description: The alarm is raised when an activation session has been active for 24 hours.		
Remedial action: Close the Activation Session.		

Table 35-7 AddressMisconfiguration

Alarm	Attributes	Applicable major NE releases
Name: AddressMisconfiguration (591) Type: configurationAlarm (11) Package: service Raised on class: service.Service	Severity: major Implicitly cleared: true Default probable cause: EpipeBackboneMacAddressMismatch (444) Applicable probable causes: <ul style="list-style-type: none"> EpipeBackboneMacAddressMismatch BVplsSourceMacAddressDuplicate 	Unspecified
Description: The alarm is raised when B-VPLS site addresses are misconfigured. The EpipeBackboneMacAddressMismatch probable cause indicates that the backbone destination MAC address does not match the backbone source MAC address of the site on the destination NE. The BVplsSourceMacAddressDuplicate probable cause indicates that there are duplicate backbone source MAC addresses.		
Remedial action: Reconfigure the backbone MAC address so that the destination MAC address match the destination site for an EPIPE, or the source MAC address is not duplicate to the other source MAC address for a B-VPLS.		

Table 35-8 AdvNotActivated

Alarm	Attributes	Applicable major NE releases
Name: AdvNotActivated (741) Type: configurationAlarm (11) Package: vrrp Raised on class: vrrp.InstanceV6	Severity: warning Implicitly cleared: true Default probable cause: advertisementNotActivated (517)	Unspecified
Description: The alarm is raised when the parent interface of an IPv6 VR instance is not configured to send router advertisements, or when router advertisement is not configured to use the virtual MAC address.		
Remedial action: Activate the Advertisement for the interface for the VRRP so that it sends Advertisement and Use Virtual MAC Address.		

Table 35-9 Ais

Alarm	Attributes	Applicable major NE releases
Name: Ais (736) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Port	Severity: variable Implicitly cleared: true Default probable cause: ais (513)	Unspecified
Description: The alarm is raised when an NE reports an AIS condition on the Tx or Rx circuit of a PDH tributary.		
Remedial action: Please refer 9500 Node Maintenance manual for remedial action information.		

Table 35-10 AisRx

Alarm	Attributes	Applicable major NE releases
Name: AisRx (1157) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Equipment	Severity: variable Implicitly cleared: true Default probable cause: aisRx (860)	Unspecified
Description: The alarm is raised when there is a receiver alarm indication signal.		
Remedial action: Please refer 9500 Node Maintenance manual for remedial action information.		

Table 35-11 AisTx

Alarm	Attributes	Applicable major NE releases
Name: AisTx (1158) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Equipment	Severity: variable Implicitly cleared: true Default probable cause: aisTx (861)	Unspecified
Description: The alarm is raised when there is a transmission alarm indication signal.		
Remedial action: Please refer 9500 Node Maintenance manual for remedial action information.		

Table 35-12 AlarmReplayFailure

Alarm	Attributes	Applicable major NE releases
Name: AlarmReplayFailure (5121) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: false Default probable cause: communicationsProtocolError (901)	Unspecified
Description: The alarm is raised when the Alarm Replay fails. It is stored in Alarm Historical table.		
Remedial action: An Alarm Replay has failed (usually due to communication problems) - Some alarms may be missing in the Historical Alarm List.		

Table 35-13 AllBgpPeerConnectionsDown

Alarm	Attributes	Applicable major NE releases
Name: AllBgpPeerConnectionsDown (5417) Type: topologyAlarm (34) Package: topology Raised on class: topology.Cpaa	Severity: major Implicitly cleared: true Default probable cause: CPAAPeerConnectionDown (2124)	Unspecified
Description: The alarm is raised when all CPAA's BGP peers went down.		
Remedial action: 1) All BGP peer connections are down for the active CPAA. Please check the connections. 2) If the standby CPAA is functional as per your requirements, switch-over might resolve the issue.		

35 – Unspecified NE alarms

Table 35-14 AllTimingReferencesNotQualified

Alarm	Attributes	Applicable major NE releases
Name: AllTimingReferencesNotQualified (549) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: major Implicitly cleared: true Default probable cause: allTimingReferencesNotQualified (419)	Unspecified
Description: The alarm is raised when no timing references on an NE are in the Qualified state.		
Raising condition: (('Qualified For Use' NOT EQUAL 'Qualified') AND ('Qualified For Use' NOT EQUAL 'Qualified') AND ('Qualified For Use' NOT EQUAL 'Qualified') AND ('Qualified For Use' NOT EQUAL 'Qualified'))		
Clearing condition: (('Qualified For Use' EQUAL 'Qualified') OR ('Qualified For Use' EQUAL 'Qualified') OR ('Qualified For Use' EQUAL 'Qualified') OR ('Qualified For Use' EQUAL 'Qualified'))		
Remedial action: Make sure that all the Timing References are qualified.		

Table 35-15 apsCfgRaiseAlarm

Alarm	Attributes	Applicable major NE releases
Name: apsCfgRaiseAlarm (772) Type: configurationAlarm (11) Package: ethernetntunnel Raised on class: ethernetntunnel.EthernetTunnelEndpoint	Severity: major Implicitly cleared: true Default probable cause: configurationMismatch (548)	Unspecified
Description: The alarm is raised when the 5620 SAM detects a mismatch between the working and protection Ethernet tunnel group configurations.		
Remedial action: Fix the mismatch between the working and protection Ethernet tunnel configurations.		

Table 35-16 apsNoRspRaiseAlarm

Alarm	Attributes	Applicable major NE releases
Name: apsNoRspRaiseAlarm (773) Type: configurationAlarm (11) Package: ethernetntunnel Raised on class: ethernetntunnel.EthernetTunnelEndpoint	Severity: major Implicitly cleared: true Default probable cause: incompleteProtectionSwitching (549)	Unspecified
Description: The alarm is raised when an Ethernet tunnel group protection switch is incomplete, as indicated by a comparison of the transmitted 'Requested Signal' values and the received 'Bridged Signal' in the APS protocol.		
Remedial action: Fix the mismatch between the working and protection Ethernet tunnel configurations.		

Table 35-17 apsPrvsnAlarm

Alarm	Attributes	Applicable major NE releases
Name: apsPrvsnAlarm (1196) Type: configurationAlarm (11) Package: ethring Raised on class: ethring.Element	Severity: major Implicitly cleared: true Default probable cause: provisioningMismatch (470)	Unspecified
Description: The alarm is raised when a mismatch is detected on Ethernet Ring provisioning. The mismatch occurs when the RPL Owner Node receives one or more No Request R-APS message(s) with an RPL blocked status flag set (NR, RB) and a different Node ID.		
Remedial action: Probably more than one Ring Protection Link owners configured in the Ring, make sure which one should be RPL owner and delete others.		

Table 35-18 apsPrvsnRaiseAlarm

Alarm	Attributes	Applicable major NE releases
Name: apsPrvsnRaiseAlarm (774) Type: configurationAlarm (11) Package: ethernetntunnel Raised on class: ethernetntunnel.EthernetTunnelEndpoint	Severity: major Implicitly cleared: true Default probable cause: provisioningMismatch (470)	Unspecified
Description: The alarm is raised when an Ethernet tunnel group provisioning mismatch is detected at the ETH layer. The mismatch is detected through a comparison of the transmitted and received APS protocol A, B and D bits.		
Remedial action: Check the configuration of the two ends of the tunnel are compatible/same for the protocol.		

Table 35-19 AsymmetricalConfig (bundle)

Alarm	Attributes	Applicable major NE releases
Name: AsymmetricalConfig (295) Type: configurationAlarm (11) Package: bundle Raised on class: bundle.MultiChassisApsInterface	Severity: major Implicitly cleared: true Default probable cause: asymmetricalConfig (226)	Unspecified
Description: The alarm is raised when the bundles in an APS group do not have matching configurations.		
Raising condition: ('Asymmetrical Config Detected' EQUAL 'true')		
Clearing condition: ('Asymmetrical Config Detected' EQUAL 'false')		
Remedial action: Check configurations on both members to see anything not matched.		

Table 35-20 ATPCHighPowerTimeout

Alarm	Attributes	Applicable major NE releases
Name: ATPCHighPowerTimeout (4818) Type: communicationsAlarm (4) Package: mwa Raised on class: mwa.PortTermination	Severity: variable Implicitly cleared: true Default probable cause: ATPCLoopProblem (1903)	Unspecified
Description: The alarm is raised when a MPT detects a ATPC High Power Timeout		
Remedial action: Please refer to either 9500 or 7705 Node Maintenance manual for remedial action information.		

Table 35-21 AtpcLoopProblem

Alarm	Attributes	Applicable major NE releases
Name: AtpcLoopProblem (1142) Type: communicationsAlarm (4) Package: radioequipment Raised on class: radioequipment.RadioPortSpecifics	Severity: variable Implicitly cleared: true Default probable cause: atpcLoopProblem (848)	Unspecified
Description: The alarm is raised when a local transmitter was operating continuously at full power for 5-minutes, and the transmitter power is reduced to its minimum power setting.		
Remedial action: Please refer 9500 Node Maintenance manual for remedial action information.		

Table 35-22 ATPCTimeout

Alarm	Attributes	Applicable major NE releases
Name: ATPCTimeout (3939) Type: communicationsAlarm (4) Package: radioequipment Raised on class: radioequipment.RadioPortSpecifics	Severity: variable Implicitly cleared: true Default probable cause: atpcTimeout (1521)	Unspecified
Description: The alarm is raised when a the ATPC timeout defect raise.		
Remedial action: The alarm is raised when a the ATPC timeout defect raise.		

Table 35-23 AuthFailure

Alarm	Attributes	Applicable major NE releases
Name: AuthFailure (281) Type: authenticationAlarm (14) Package: vrrp Raised on class: vrrp.AbstractInstance	Severity: major Implicitly cleared: false Default probable cause: authFailure (46)	Unspecified
Description: The alarm is raised when authentication fails. The alarm information includes the source IP address.		
Remedial action: Reconfigure the authentication key so that the keys are the same for the peer VRRP instances.		

Table 35-24 AuthKeyConflict (Idp)

Alarm	Attributes	Applicable major NE releases
Name: AuthKeyConflict (5188) Type: processingErrorAlarm (81) Package: Idp Raised on class: Idp.Peer	Severity: warning Implicitly cleared: true Default probable cause: AuthKeyConflict (2103)	Unspecified
Description: The alarm is raised when both Authentication Key and LDP Peer Keychain are configured. LDP Peer Keychain will be used.		
Remedial action: Authentication Key and LDP Peer Keychain are both configured. LDP Peer Keychain will be used. The alarm is cleared when only one is configured.		

Table 35-25 AuxiliaryAlarm

Alarm	Attributes	Applicable major NE releases
Name: AuxiliaryAlarm (1159) Type: dryContactAlarm (47) Package: equipment Raised on class: equipment.AuxAlarmDefinition	Severity: variable Implicitly cleared: false Default probable cause: auxiliaryAlarmTriggered (862)	Unspecified
Description: The alarm is raised when an NE reports that a configured auxiliary alarm condition has been triggered.		
Remedial action: Informational - no corrective action required.		

Table 35-26 AuxiliaryDatabaseProxyStateChangeDetected

Alarm	Attributes	Applicable major NE releases
Name: AuxiliaryDatabaseProxyStateChangeDetected (5170) Type: databaseAlarm (29) Package: db Raised on class: db.AuxiliaryDatabase	Severity: warning Implicitly cleared: false Default probable cause: systemFailed (144)	Unspecified
Description: This informative alarm is raised when the state of the auxiliary database proxy has changed at least once since the last check interval.		
Remedial action: Informational - no corrective action required. The state (up/down) of the auxiliary database proxy has changed at least once since the last check interval. The alarm must be manually cleared.		

Table 35-27 AuxiliaryDatabaseProxyUnreachable

Alarm	Attributes	Applicable major NE releases
Name: AuxiliaryDatabaseProxyUnreachable (5171) Type: communicationsAlarm (4) Package: db Raised on class: db.AuxiliaryDatabase	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	Unspecified
Description: This informative alarm is raised when a 5620 SAM server cannot communicate with an auxiliary database proxy. The alarm clears when communication is restored.		
Raising condition: ('Database Proxy Status' EQUAL 'Down')		
Clearing condition: ('Database Proxy Status' EQUAL 'Up')		
Remedial action: The 5620 SAM server cannot communicate with an auxiliary database proxy. Check the status of the auxiliary database proxy and the communication link between SAM server and auxiliary database node.		

Table 35-28 AuxiliaryDatabaseStateChangeDetected

Alarm	Attributes	Applicable major NE releases
Name: AuxiliaryDatabaseStateChangeDetected (5172) Type: databaseAlarm (29) Package: db Raised on class: db.AuxiliaryDatabase	Severity: warning Implicitly cleared: false Default probable cause: systemFailed (144)	Unspecified
Description: This informative alarm is raised when the state of the auxiliary database has changed at least once since the last check interval.		
Remedial action: Informational - no corrective action required. The state (up/down) of the auxiliary database has changed at least once since the last check interval. The alarm must be manually cleared.		

Table 35-29 AuxiliaryDatabaseStatus

Alarm	Attributes	Applicable major NE releases
Name: AuxiliaryDatabaseStatus (5173) Type: communicationsAlarm (4) Package: db Raised on class: db.AuxiliaryDatabase	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	Unspecified
Description: This informative alarm is raised when a 5620 SAM server cannot communicate with an auxiliary database server. The alarm clears when communication is restored.		
Raising condition: ('Database Status' EQUAL 'Down')		
Clearing condition: ('Database Status' EQUAL 'Up')		
Remedial action: The 5620 SAM server cannot communicate with an auxiliary database. Check the status of the auxiliary database and the communication link between SAM server and auxiliary database node.		

Table 35-30 AuxiliaryServerAssignmentProblem

Alarm	Attributes	Applicable major NE releases
Name: AuxiliaryServerAssignmentProblem (5135) Type: processingErrorAlarm (81) Package: server Raised on class: server.AuxiliaryServer	Severity: warning Implicitly cleared: false Default probable cause: configurationOrCustomizationError (902)	Unspecified
Description: This alarm is raised when a NE cannot be assigned to an AuxiliaryServer during load balancing or manual assignment operation.		
Remedial action: Ensure the NE is managed, reachable and that no configuration operation is in progress on that NE and relaunch the operation.		

Table 35-31 BackgroundDiagnosticFault

Alarm	Attributes	Applicable major NE releases
Name: BackgroundDiagnosticFault (467) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.ReplaceableUnit	Severity: minor Implicitly cleared: true Default probable cause: backgroundDiagnosticFault (353)	Unspecified
Description: The alarm is raised when an NE detects a failure in a background diagnostic test suite.		
Remedial action: Informational - if the condition persists then the element indicated in the alarm should be replaced.		

Table 35-32 BackupRestoreApplicationLockNotObtained

Alarm	Attributes	Applicable major NE releases
Name: BackupRestoreApplicationLockNotObtained (1962) Type: integrityViolation (85) Package: lte Raised on class: lte.ENBEquipment	Severity: warning Implicitly cleared: true Default probable cause: UnableToAcquireLock (949)	Unspecified
Description: This alarm is raised when the Backup/Restore Application is unable to acquire lock. Retry the Backup/Restore Operation once the lock is released by the other application.		
Remedial action: Retry the Backup/Restore Operation once the lock is released by the other application.		

Table 35-33 backupScriptInUse

Alarm	Attributes	Applicable major NE releases
Name: backupScriptInUse (274) Type: configurationAlarm (11) Package: subscriber Raised on class: subscriber.Policy	Severity: major Implicitly cleared: true Default probable cause: backupInUse (206)	Unspecified
Description: The alarm is raised when the primary subscriber identification script is operationally down, but one of the other scripts is operationally up.		
Raising condition: (('isLocal' EQUAL 'true') AND ('Primary Script Operational State' NOT EQUAL 'Up') AND (('Secondary Script Operational State' EQUAL 'Up') OR ('Tertiary Script Operational State' EQUAL 'Up')))		
Clearing condition: (('isLocal' EQUAL 'true') AND (('Primary Script Operational State' EQUAL 'Up') OR (('Secondary Script Operational State' NOT EQUAL 'Up') AND ('Tertiary Script Operational State' NOT EQUAL 'Up'))))		
Remedial action: If the DHCP ACK Python script processing behaviour is desired, please make sure that primary, secondary and tertiary scripts are installed and operationally up.		

Table 35-34 BandwidthOverflow

Alarm	Attributes	Applicable major NE releases
Name: BandwidthOverflow (1143) Type: communicationsAlarm (4) Package: radioequipment Raised on class: radioequipment.RadioPortSpecifics	Severity: variable Implicitly cleared: true Default probable cause: bandwidthOverflow (849)	Unspecified
Description: The alarm is raised when a MPT is on-line and the cross-connections occupation overcomes the MPT net capacity bandwidth.		
Remedial action: Please refer 9500 Node Maintenance manual for remedial action information.		

Table 35-35 BatteryFail (equipment)

Alarm	Attributes	Applicable major NE releases
Name: BatteryFail (616) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: variable Implicitly cleared: true Default probable cause: batteryFail (457)	Unspecified
Description: The alarm is raised when the battery fails or is missing.		
Remedial action: The battery on the CPM should be replaced or re-installed.		

Table 35-36 BatteryFail (mpr)

Alarm	Attributes	Applicable major NE releases
Name: BatteryFail (616) Type: equipmentAlarm (3) Package: mpr Raised on class: mpr.SubRackElements	Severity: variable Implicitly cleared: true Default probable cause: batteryFail (457)	Unspecified
Description: The alarm is raised when the battery fails or is missing.		
Remedial action: The battery on the subrack element should be replaced or re-installed.		

Table 35-37 BfdSessionDown (rtr)

Alarm	Attributes	Applicable major NE releases
Name: BfdSessionDown (439) Type: bfdSessionAlarm (46) Package: rtr Raised on class: rtr.NetworkInterface	Severity: warning Implicitly cleared: true Default probable cause: bfdSessionDown (346)	Unspecified
Description: The alarm is raised when a BFD session is operationally Down.		
Remedial action: This alarm is raised when a BFD session on a network interface goes down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

35 – Unspecified NE alarms

Table 35-38 BfdSessionDown (service)

Alarm	Attributes	Applicable major NE releases
Name: BfdSessionDown (439) Type: bfdSessionAlarm (46) Package: service Raised on class: service.L3AccessInterface	Severity: warning Implicitly cleared: true Default probable cause: bfdSessionDown (346)	Unspecified
Description: The alarm is raised when a BFD session is operationally down.		
Remedial action: This alarm is raised when a BFD session on a L3 access interface goes down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 35-39 BfdSessionDown (vprn)

Alarm	Attributes	Applicable major NE releases
Name: BfdSessionDown (439) Type: bfdSessionAlarm (46) Package: vprn Raised on class: vprn.NetworkInterface	Severity: warning Implicitly cleared: true Default probable cause: bfdSessionDown (346)	Unspecified
Description: The alarm is raised when a BFD session is operationally Down.		
Remedial action: This alarm is raised when a BFD session on a VPRN network interface goes down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 35-40 BfdSessionFlapped (rtr)

Alarm	Attributes	Applicable major NE releases
Name: BfdSessionFlapped (3900) Type: bfdSessionAlarm (46) Package: rtr Raised on class: rtr.NetworkInterface	Severity: warning Implicitly cleared: true Default probable cause: bfdSessionFlapped (1491)	Unspecified
Description: The alarm is raised when a BFD session transitions from Up to Down and back to Up within the BFD operational state transition interval.		
Remedial action: The BFD session on a network interface has transitioned from Up to Down and back to Up within the configured BFD Flapping Interval.		

Table 35-41 BfdSessionFlapped (service)

Alarm	Attributes	Applicable major NE releases
Name: BfdSessionFlapped (3900) Type: bfdSessionAlarm (46) Package: service Raised on class: service.L3AccessInterface	Severity: warning Implicitly cleared: true Default probable cause: bfdSessionFlapped (1491)	Unspecified
Description: The alarm is raised when a BFD session transitions from Up to Down and back to Up within the BFD operational state transition interval.		
Remedial action: The BFD session on a L3 access interface has transitioned from Up to Down and back to Up within the configured BFD Flapping Interval.		

Table 35-42 BfdSessionFlapped (vprn)

Alarm	Attributes	Applicable major NE releases
Name: BfdSessionFlapped (3900) Type: bfdSessionAlarm (46) Package: vprn Raised on class: vprn.NetworkInterface	Severity: warning Implicitly cleared: true Default probable cause: bfdSessionFlapped (1491)	Unspecified
Description: The alarm is raised when a BFD session transitions from Up to Down and back to Up within the BFD operational state transition interval.		
Remedial action: The BFD session on a VPRN network interface has transitioned from Up to Down and back to Up within the configured BFD Flapping Interval.		

Table 35-43 BfdSessionMissing (rtr)

Alarm	Attributes	Applicable major NE releases
Name: BfdSessionMissing (438) Type: bfdSessionAlarm (46) Package: rtr Raised on class: rtr.NetworkInterface	Severity: warning Implicitly cleared: true Default probable cause: bfdSessionMissing (345)	Unspecified
Description: The alarm is raised when a previously present BFD session is absent.		
Remedial action: This alarm is raised when a previously present BFD session on a network interface is absent. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the near end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

35 – Unspecified NE alarms

Table 35-44 BfdSessionMissing (service)

Alarm	Attributes	Applicable major NE releases
Name: BfdSessionMissing (438) Type: bfdSessionAlarm (46) Package: service Raised on class: service.L3AccessInterface	Severity: warning Implicitly cleared: true Default probable cause: bfdSessionMissing (345)	Unspecified
Description: The alarm is raised when a previously present BFD session is absent.		
Remedial action: This alarm is raised when a previously present BFD session on a L3 access interface is absent. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the near end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 35-45 BfdSessionMissing (vprn)

Alarm	Attributes	Applicable major NE releases
Name: BfdSessionMissing (438) Type: bfdSessionAlarm (46) Package: vprn Raised on class: vprn.NetworkInterface	Severity: warning Implicitly cleared: true Default probable cause: bfdSessionMissing (345)	Unspecified
Description: The alarm is raised when a previously present BFD session is absent.		
Remedial action: This alarm is raised when a previously present BFD session on a VPRN network interface is absent. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the near end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 35-46 BgpAdVplsIdDiscoveryError

Alarm	Attributes	Applicable major NE releases
Name: BgpAdVplsIdDiscoveryError (572) Type: serviceAlarm (16) Package: vpls Raised on class: vpls.AbstractSite	Severity: major Implicitly cleared: true Default probable cause: bgpAdVplsIdInconsistent (439)	Unspecified
Description: The alarm is raised when the VPLS ID of a discovered VPLS instance is ambiguous.		
Remedial action: Check that all VPLS IDs are properly configured for all VPLS instances.		

Table 35-47 BgpAdVplsIdMisconfiguration

Alarm	Attributes	Applicable major NE releases
Name: BgpAdVplsIdMisconfiguration (570) Type: configurationAlarm (11) Package: vpls Raised on class: vpls.AbstractVpls	Severity: major Implicitly cleared: true Default probable cause: bgpAdVplsIdInconsistent (439)	Unspecified
Description: The alarm is raised when the VPLS ID of a site does not match the VPLS ID of the other sites in the service.		
Remedial action: All VPLS IDs of sites in a service must be the same.		

Table 35-48 BgpAsPathLenPerMonPrefThresholdReached

Alarm	Attributes	Applicable major NE releases
Name: BgpAsPathLenPerMonPrefThresholdReached (795) Type: topologyAlarm (34) Package: topology Raised on class: topology.Cpaa	Severity: major Implicitly cleared: true Default probable cause: asPathTooLong (562)	Unspecified
Description: The alarm is raised when the AS path length for a monitored BGP route reaches or exceeds the maximum threshold value.		
Remedial action: User configured alarm for monitoring purpose. Alarm text provides information about the affected prefix. User can look at the records for BGP prefix monitoring or BGP events history for debugging purpose.		

Table 35-49 BgpEventUnreachable

Alarm	Attributes	Applicable major NE releases
Name: BgpEventUnreachable (4896) Type: topologyAlarm (34) Package: topology Raised on class: topology.Cpaa	Severity: major Implicitly cleared: true Default probable cause: prefixUnreachable (827)	Unspecified
Description: The alarm is raised when Unreachable BGP Event is detected.		
Remedial action: Alarm text provides information about the affected prefix. User can look at the BGP events history for debugging purpose.		

Table 35-50 BgpFlowspecNlriProblem

Alarm	Attributes	Applicable major NE releases
Name: BgpFlowspecNlriProblem (3317) Type: ProtocolAlarm (1) Package: rtr Raised on class: rtr.RoutingInstanceSite	Severity: major Implicitly cleared: false Default probable cause: NlriProblem (1156)	Unspecified
Description: The alarm is raised when the filter module receives a BGP FlowSpec NLRI that cannot be treated.		
Remedial action: Information - if the problem persists please contact Alcatel-Lucent support for assistance.		

Table 35-51 BgpMonitorPrefixFlapRateThresholdReached

Alarm	Attributes	Applicable major NE releases
Name: BgpMonitorPrefixFlapRateThresholdReached (432) Type: topologyAlarm (34) Package: topology Raised on class: topology.Cpaa	Severity: major Implicitly cleared: true Default probable cause: unstablePrefix (410)	Unspecified
Description: The alarm is raised when a BGP monitor prefix flap rate exceeds the maximum flap rate threshold value.		
Remedial action: User configured alarm for monitoring purpose. Alarm text provides information about the affected prefix. User can look at the records for BGP prefix monitoring or BGP events history for debugging purpose.		

Table 35-52 BgpMonPrefixUnreachable

Alarm	Attributes	Applicable major NE releases
Name: BgpMonPrefixUnreachable (1114) Type: topologyAlarm (34) Package: topology Raised on class: topology.Cpaa	Severity: major Implicitly cleared: true Default probable cause: prefixUnreachable (827)	Unspecified
Description: The alarm is raised when no route for the monitored prefix is detected.		
Remedial action: User configured alarm for monitoring purpose. Alarm text provides information about the affected prefix. User can look at the records for BGP prefix monitoring or BGP events history for debugging purpose.		

Table 35-53 BgpMonPrefRedundancyLossThresholdReached

Alarm	Attributes	Applicable major NE releases
Name: BgpMonPrefRedundancyLossThresholdReached (796) Type: topologyAlarm (34) Package: topology Raised on class: topology.Cpaa	Severity: major Implicitly cleared: true Default probable cause: lowNumberOfNHops (563)	Unspecified
Description: The alarm is raised when the number of next hops for a monitored BGP route reaches or falls below the minimum threshold value.		
Remedial action: User configured alarm for monitoring purpose. Alarm text provides information about the affected prefix. User can look at the records for BGP prefix monitoring or BGP events history for debugging purpose.		

Table 35-54 BgpPktRateThresholdReached

Alarm	Attributes	Applicable major NE releases
Name: BgpPktRateThresholdReached (431) Type: topologyAlarm (34) Package: topology Raised on class: topology.Cpaa	Severity: major Implicitly cleared: true Default probable cause: unstableBgpSpeaker (409)	Unspecified
Description: The alarm is raised when a BGP packet rate exceeds the maximum threshold value.		
Remedial action: User configured alarm for monitoring purpose. BGP events history can be used for debugging purpose.		

Table 35-55 BgpRouteChangeThresholdPerNHopReached

Alarm	Attributes	Applicable major NE releases
Name: BgpRouteChangeThresholdPerNHopReached (601) Type: topologyAlarm (34) Package: topology Raised on class: topology.Cpaa	Severity: major Implicitly cleared: true Default probable cause: unstableBgpSpeaker (409)	Unspecified
Description: The alarm is raised when the number of BGP route changes for a next hop reaches the maximum threshold value for a next hop.		
Remedial action: User configured alarm for monitoring purpose. BGP events history can be used for debugging purpose.		

Table 35-56 BgpRouteChangeThresholdPerRTargetReached

Alarm	Attributes	Applicable major NE releases
Name: BgpRouteChangeThresholdPerRTargetReached (600) Type: topologyAlarm (34) Package: topology Raised on class: topology.Cpaa	Severity: major Implicitly cleared: true Default probable cause: unstableVpnSite (413)	Unspecified
Description: The alarm is raised when the number of BGP route changes for a route target reaches the maximum threshold value for route targets.		
Remedial action: User configured alarm for monitoring purpose. BGP events history can be used for debugging purpose.		

Table 35-57 BgpRouteCountThresholdReached

Alarm	Attributes	Applicable major NE releases
Name: BgpRouteCountThresholdReached (428) Type: topologyAlarm (34) Package: topology Raised on class: topology.Cpaa	Severity: major Implicitly cleared: true Default probable cause: tooManyBgpRouteForNextHop (408)	Unspecified
Description: The alarm is raised when the BGP route count for a next hop exceeds the maximum threshold value for next hops.		
Remedial action: User configured alarm for monitoring purpose. BGP events history can be used for debugging purpose.		

Table 35-58 BgpRouteFlapRateThresholdReached

Alarm	Attributes	Applicable major NE releases
Name: BgpRouteFlapRateThresholdReached (430) Type: topologyAlarm (34) Package: topology Raised on class: topology.Cpaa	Severity: major Implicitly cleared: true Default probable cause: unstableBgpSpeaker (409)	Unspecified
Description: The alarm is raised when the BGP route flap rate exceeds the maximum threshold value.		
Remedial action: User configured alarm for monitoring purpose. BGP events history can be used for debugging purpose.		

Table 35-59 BgpRouteHighWatermarkPerRTargetReached

Alarm	Attributes	Applicable major NE releases
Name: BgpRouteHighWatermarkPerRTargetReached (433) Type: topologyAlarm (34) Package: topology Raised on class: topology.Cpaa	Severity: major Implicitly cleared: true Default probable cause: tooManyBgpRouteForGivenRouteTarget (411)	Unspecified
Description: The alarm is raised when there are too many BGP routes for a route target.		
Remedial action: User configured alarm for monitoring purpose. BGP events history can be used for debugging purpose.		

Table 35-60 BgpRouteLowWatermarkPerRTargetReached

Alarm	Attributes	Applicable major NE releases
Name: BgpRouteLowWatermarkPerRTargetReached (434) Type: topologyAlarm (34) Package: topology Raised on class: topology.Cpaa	Severity: major Implicitly cleared: true Default probable cause: tooLittleBgpRouteForGivenRouteTarget (412)	Unspecified
Description: The alarm is raised when there are too few BGP routes for a route target.		
Remedial action: User configured alarm for monitoring purpose. BGP events history can be used for debugging purpose.		

Table 35-61 BgpRouteRateThresholdPerRTargetReached

Alarm	Attributes	Applicable major NE releases
Name: BgpRouteRateThresholdPerRTargetReached (435) Type: topologyAlarm (34) Package: topology Raised on class: topology.Cpaa	Severity: major Implicitly cleared: true Default probable cause: unstableVpnSite (413)	Unspecified
Description: The alarm is raised when the BGP route rate for a target reaches the maximum threshold value for route targets.		
Remedial action: User configured alarm for monitoring purpose. BGP events history can be used for debugging purpose.		

Table 35-62 BgpRouteRateThresholdReached

Alarm	Attributes	Applicable major NE releases
Name: BgpRouteRateThresholdReached (429) Type: topologyAlarm (34) Package: topology Raised on class: topology.Cpaa	Severity: major Implicitly cleared: true Default probable cause: tooManyBgpRouteForNextHop (408)	Unspecified
Description: The alarm is raised when the BGP route rate for a next hop exceeds the maximum threshold value for next hops.		
Remedial action: User configured alarm for monitoring purpose. BGP events history can be used for debugging purpose.		

Table 35-63 BidirectionalTPLspDestinationMisconfiguration

Alarm	Attributes	Applicable major NE releases
Name: BidirectionalTPLspDestinationMisconfiguration (5117) Type: configurationAlarm (11) Package: mplstp Raised on class: mplstp.GlobalTPLsp	Severity: critical Implicitly cleared: true Default probable cause: DestinationParametersMismatch (2053)	Unspecified
Description: The alarm is raised when the Destination Global ID, Destination Node ID, or Destination Tunnel Number is not consistent with the configuration of the opposite TP-LSP in a Bidirectional TP-LSP.		
Remedial action: This alarm is generated when a TP-LSP that belongs to a Bidirectional TP-LSP has any of its Destination Global ID, Destination Node ID, or Destination Tunnel Number misconfigured. Review the configuration both TP-LSPs in the Bidirectional TP-LSP and ensure that the Destination Global ID, Destination Node ID, and Destination Tunnel Number are configured properly.		

Table 35-64 BidirectionalTPLspPathLspNumberMisconfiguration

Alarm	Attributes	Applicable major NE releases
Name: BidirectionalTPLspPathLspNumberMisconfiguration (5118) Type: configurationAlarm (11) Package: mplstp Raised on class: mplstp.GlobalTPLspPath	Severity: critical Implicitly cleared: true Default probable cause: LSPNumberMismatch (2054)	Unspecified
Description: The alarm is raised when the LSP Path Number is not consistent with the LSP Path Number for LER A and LER B.		
Remedial action: This alarm is generated when the LSP Path Number for the Bidirectional TP-LSP Path does not match LER A and/or LER B. Review the configuration of LSP Path Number LER A and LER B and ensure both are set to the same value as the Bidirectional TP-LSP Path's LSP Path Number.		

Table 35-65 BidirIpPathMonitorPathsDiverge

Alarm	Attributes	Applicable major NE releases
Name: BidirIpPathMonitorPathsDiverge (603) Type: topologyAlarm (34) Package: monpath Raised on class: monpath.BidirMonitoredIpPath	Severity: minor Implicitly cleared: true Default probable cause: ipPathsDiverge (449)	Unspecified
Description: The alarm is raised when the 5650 CPAM detects that the IP paths of a bidirectional IP path monitor diverge. The alarm clears when the paths converge. This may occur when an IP path monitor cannot be set up after the number of attempts specified by the cpamManagedRoute problematicThresholdAlarmAfter value in the nms-server.xml file. The alarm is raised if the cpamManagedRoute problematicRetryStrategy value in nms-server.xml is set to countdown. The default problematicRetryStrategy value of reactive prevents the alarm from being raised.		
Remedial action: Informational - Paths in both direction can be highlighted on the CPAM map to identify the divergence point.		

Table 35-66 BidirLspMonitorPathsDiverge

Alarm	Attributes	Applicable major NE releases
Name: BidirLspMonitorPathsDiverge (1915) Type: topologyAlarm (34) Package: monpath Raised on class: monpath.BidirMonitoredLspPath	Severity: minor Implicitly cleared: true Default probable cause: LspPathsDiverge (917)	Unspecified
Description: The alarm is raised when the LSP's active path's hops do not match in the forward and reverse direction.		
Remedial action: Informational - Paths in both direction can be highlighted on the CPAM map to identify the divergence point.		

Table 35-67 BootEnvironmentSyncFailed

Alarm	Attributes	Applicable major NE releases
Name: BootEnvironmentSyncFailed (101) Type: equipmentAlarm (3) Package: sw Raised on class: sw.SoftwareUpgradeManager	Severity: critical Implicitly cleared: true Default probable cause: bootEnvironmentSyncFailed (87)	Unspecified
Description: The alarm is raised when the synchronization of one or more system initialization files between the active and standby CPM cards fails, or when one or both of the CSM compact flash devices do not have enough space when the 'admin redundancy synchronize boot-env' command is executed, or when the node is rebooted.		
Remedial action: The operator should make sure that the Boot Environment files on the CSM cards are in Sync with each other or there is enough space available on the compact flash.		

Table 35-68 BrokenLoop

Alarm	Attributes	Applicable major NE releases
Name: BrokenLoop (469) Type: configurationAlarm (11) Package: equipment Raised on class: equipment.StackConfiguration	Severity: major Implicitly cleared: true Default probable cause: stackNotInLoop (355)	Unspecified
Description: The alarm is raised when the loop-detection stack detects a loop condition, or when the stack contains an unexpected element.		
Remedial action: Login to switch console, check and correct configuration and reload stack.		

Table 35-69 BWUtilizationExceeded

Alarm	Attributes	Applicable major NE releases
Name: BWUtilizationExceeded (811) Type: thresholdCrossed (6) Package: netw Raised on class: netw.AbstractPhysicalLink	Severity: major Implicitly cleared: true Default probable cause: thresholdCrossed (12)	Unspecified
Description: The alarm is raised when the per-CoS or overall bandwidth utilization exceeds the configured threshold.		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand how this Physical Link became overbooked		

Table 35-70 CableLOS (equipment)

Alarm	Attributes	Applicable major NE releases
Name: CableLOS (678) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Equipment	Severity: variable Implicitly cleared: true Default probable cause: cableLOS (493)	Unspecified
Description: The alarm is raised when an MSS detects a cable LOS event.		
Remedial action: The alarm is raised when an MSS detects a cable LOS event.		

Table 35-71 CableLOS (radioequipment)

Alarm	Attributes	Applicable major NE releases
Name: CableLOS (678) Type: communicationsAlarm (4) Package: radioequipment Raised on class: radioequipment.RadioPortSpecifics	Severity: variable Implicitly cleared: true Default probable cause: cableLOS (493)	Unspecified
Description: The alarm is raised when an MSS detects a cable LOS event.		
Remedial action: The alarm is raised when an MSS detects a cable LOS event. Please refer 9500 Node Maintenance manual for remedial action information.		

Table 35-72 CallTraceAlreadyActive

Alarm	Attributes	Applicable major NE releases
Name: CallTraceAlreadyActive (1279) Type: callTraceSessionAlarm (90) Package: lte Raised on class: lte.CTg	Severity: warning Implicitly cleared: true Default probable cause: callTraceManuallyActivated (906)	Unspecified
Description: The alarm is raised when a Call Trace Session is already active when the scheduled task starts. The scheduled task will not deactivate it. The Call Trace Session must to be manually deactivated. The alarm is cleared when the Call Trace session is deactivated successfully.		
Remedial action: The existing Call Trace Session must to be manually deactivated. The alarm is cleared when the Call Trace session is deactivated successfully.		

Table 35-73 CallTraceScheduledTaskExecutionError

Alarm	Attributes	Applicable major NE releases
Name: CallTraceScheduledTaskExecutionError (1280) Type: callTraceSessionAlarm (90) Package: lte Raised on class: lte.CTg	Severity: warning Implicitly cleared: false Default probable cause: callTraceConfigurationError (907) Applicable probable causes: <ul style="list-style-type: none"> callTraceConfigurationError eventBasedTraceEnabled debugTraceActive 	Unspecified
Description: The alarm is raised when the execution of a Call Trace scheduled task has a failure activating or deactivating this Call Trace session.		
Remedial action: Check the call trace session.		

Table 35-74 CAProfileStateChange

Alarm	Attributes	Applicable major NE releases
Name: CAProfileStateChange (3910) Type: configurationAlarm (11) Package: sitesec Raised on class: sitesec.CertificateAuthProfile	Severity: major Implicitly cleared: true Default probable cause: caProfileStateDown (1497)	Unspecified
Description: The alarm is raised when Certificate Authority profile changes state to 'down' due to tmnxSecNotifFailureReason.		
Remedial action: The Certificate Authority profile changes state to 'down'. Depending on the reason specified, corrective action should be taken		

Table 35-75 CardCPUAboveThreshold

Alarm	Attributes	Applicable major NE releases
Name: CardCPUAboveThreshold (618) Type: configurationAlarm (11) Package: equipment Raised on class: equipment.CardSlot	Severity: major Implicitly cleared: false Default probable cause: CardCPUUtilizationCrossedAboveThreshold (458)	Unspecified
Description: The alarm is raised when the card CPU usage exceeds the threshold value.		
Remedial action: Informational - The CPU of the card indicated in the alarm is overloaded. If the condition persists then processing load should be transferred from this card to other cards which are more lightly loaded. If the problem persists then please contact Alcatel-Lucent support for assistance.		

Table 35-76 CardMemoryAboveThreshold

Alarm	Attributes	Applicable major NE releases
Name: CardMemoryAboveThreshold (619) Type: configurationAlarm (11) Package: equipment Raised on class: equipment.CardSlot	Severity: major Implicitly cleared: false Default probable cause: CardMemoryUtilizationCrossedAboveThreshold (459)	Unspecified
Description: The alarm is raised when the card memory usage exceeds the threshold value.		
Remedial action: Informational - The memory of the card indicated in the alarm is over utilized. If the condition persists then processing load should be transferred from this card to other cards which are more lightly loaded in order to reduce memory consumption. If the problem persists then please contact Alcatel-Lucent support for assistance.		

Table 35-77 CardRxAboveThreshold

Alarm	Attributes	Applicable major NE releases
Name: CardRxAboveThreshold (620) Type: configurationAlarm (11) Package: equipment Raised on class: equipment.CardSlot	Severity: major Implicitly cleared: true Default probable cause: CardRxUtilizationCrossedAboveThreshold (460)	Unspecified
Description: The alarm is raised when the card Rx exceeds the threshold value.		
Remedial action: The utilization of the card is higher than normal. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 35-78 CardRxTxAboveThreshold

Alarm	Attributes	Applicable major NE releases
Name: CardRxTxAboveThreshold (621) Type: configurationAlarm (11) Package: equipment Raised on class: equipment.CardSlot	Severity: major Implicitly cleared: true Default probable cause: CardRxTxUtilizationCrossedAboveThreshold (461)	Unspecified
Description: The alarm is raised when the card Tx exceeds the threshold value.		
Remedial action: The utilization of the card is higher than normal. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 35-79 CardUnseated

Alarm	Attributes	Applicable major NE releases
Name: CardUnseated (1161) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: major Implicitly cleared: true Default probable cause: CardUnseated (864)	Unspecified
Description: The alarm is raised when a card is removed.		
Remedial action: Informational - no corrective action required.		

Table 35-80 CeAddressIncompatible

Alarm	Attributes	Applicable major NE releases
Name: CeAddressIncompatible (251) Type: configurationAlarm (11) Package: ipipe Raised on class: ipipe.Ipipe	Severity: major Implicitly cleared: true Default probable cause: ceAddressIncompatible (190)	Unspecified
Description: The alarm is raised when two SAPs in an Ipipe have the same CE IP address, or when the CE IP address is not the same as the CE IP address of the peer SDP binding.		
Raising condition: ('ceAddressIncompatible' EQUAL 'true')		
Clearing condition: ('ceAddressIncompatible' EQUAL 'false')		
Remedial action: Modify the CE Address so that it's not same address as other SAPs and it matches the address of the peer SDP binding.		

Table 35-81 CheckpointLimitAt75Percent

Alarm	Attributes	Applicable major NE releases
Name: CheckpointLimitAt75Percent (425) Type: configurationAlarm (11) Package: topology Raised on class: topology.TopologyManager	Severity: warning Implicitly cleared: false Default probable cause: tooManyCheckpoints (337)	Unspecified
Description: The alarm is raised when the number of check points reaches 75 percent of the maximum allowed value.		
Remedial action: Informational - deprecated 9.0		

Table 35-82 CheckpointLimitReachedOrExceeded

Alarm	Attributes	Applicable major NE releases
Name: CheckpointLimitReachedOrExceeded (426) Type: configurationAlarm (11) Package: topology Raised on class: topology.TopologyManager	Severity: warning Implicitly cleared: false Default probable cause: tooManyCheckpointObjects (837)	Unspecified
Description: The alarm is raised when the number of check points objects reaches or exceeds the maximum allowed value.		
Remedial action: Maximum number of Checkpoint objects reached, the IGP history cleanup task begins and removes older objects. To keep history increase maximumNumberOfCheckpointObjects in nms-server.xml.		

Table 35-83 ChildTemplateInvalid

Alarm	Attributes	Applicable major NE releases
Name: ChildTemplateInvalid (193) Type: configurationAlarm (11) Package: template Raised on class: template.TemplateBinding	Severity: major Implicitly cleared: true Default probable cause: referencedObjectInvalid (152)	Unspecified
Description: The alarm is raised when a child template in a template binding is invalid. The alarm is deprecated in the 5620 SAM, Release 6.0 and later.		
Raising condition: ('childTemplateInvalidReference' EQUAL 'true')		
Clearing condition: ('childTemplateInvalidReference' EQUAL 'false')		
Remedial action: Informational - deprecated 6.0		

Table 35-84 CliLoginMaxAttempts

Alarm	Attributes	Applicable major NE releases
Name: CliLoginMaxAttempts (3701) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: false Default probable cause: cliLoginMaxAttempts (1439)	Unspecified
Description: The alarm is raised when the number of CLI login failures due to an incorrect user name or password using TELNET session exceeds the configured value.		
Remedial action: Informational		

Table 35-85 ClockFailure

Alarm	Attributes	Applicable major NE releases
Name: ClockFailure (1162) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Port	Severity: variable Implicitly cleared: true Default probable cause: clockFailure (865)	Unspecified
Description: The alarm is raised when an MPT radio clock failure occurs.		
Remedial action: Please refer 9500 Node Maintenance manual for remedial action information.		

Table 35-86 CModeRxQueryMismatch

Alarm	Attributes	Applicable major NE releases
Name: CModeRxQueryMismatch (160) Type: configurationAlarm (11) Package: igmp Raised on class: igmp.Interface	Severity: major Implicitly cleared: false Default probable cause: InvalidCompatibilityModeofQueryReceieved (130)	Unspecified
Description: The alarm is raised when an IGMP interface receives an IGMP query of a higher version than the version configured on the interface, for example, when the interface is configured for IGMPv1 and it receives an IGMPv2 or IGMPv3 query. The interface does not process the received IGMP message.		
Remedial action: Informational - no corrective action required.		

Table 35-87 CommonLOS

Alarm	Attributes	Applicable major NE releases
Name: CommonLOS (3621) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Port	Severity: variable Implicitly cleared: true Default probable cause: commonLOS (1410)	Unspecified
Description: The alarm is raised when a radio interface CLA detects a loss of signal.		
Remedial action: Please refer 9500 Node Maintenance manual for remedial action information.		

Table 35-88 CommunityMisconfiguration

Alarm	Attributes	Applicable major NE releases
Name: CommunityMisconfiguration (442) Type: serviceAlarm (16) Package: vprn Raised on class: vprn.AbstractSite	Severity: major Implicitly cleared: true Default probable cause: CommunityMisconfiguration (347)	Unspecified
Description: The alarm is raised when the 5620 SAM detects a community misconfiguration on a service site.		
Remedial action: Configure the SNMP community String on the VPRN service site		

Table 35-89 ConfigFileSyncFailed

Alarm	Attributes	Applicable major NE releases
Name: ConfigFileSyncFailed (102) Type: equipmentAlarm (3) Package: sw Raised on class: sw.SoftwareUpgradeManager	Severity: critical Implicitly cleared: true Default probable cause: configFileSyncFailed (88)	Unspecified
Description: The alarm is raised when the configuration file synchronization between the active and standby CPM cards fails.		
Remedial action: Please log into the NE in question via CLI and execute a manual synchronization. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 35-90 ConfigNotCompatible

Alarm	Attributes	Applicable major NE releases
Name: ConfigNotCompatible (405) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: critical Implicitly cleared: false Default probable cause: DaughterCardConfigNotCompatible (301)	Unspecified
Description: The alarm is raised when an MDA configuration is incompatible with the MDA.		
Remedial action: A configuration error has occurred which must be corrected. The MDA type configured for the slot identified in the alarm must match the installed MDA type.		

Table 35-91 ContainingEquipmentMissing

Alarm	Attributes	Applicable major NE releases
Name: ContainingEquipmentMissing (463) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentMissing (327)	Unspecified
Description: The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentMissing.		
Clearing condition: (('Status' NOT EQUAL 'Parent Removed') OR ('isTerminatable' NOT EQUAL 'true') OR ('Equipped' EQUAL 'false'))		
Remedial action: Informational - an card has been removed from the system.		

35 – Unspecified NE alarms

Table 35-92 CorporateAndSecuredCompositeServicesAreNotConnected

Alarm	Attributes	Applicable major NE releases
Name: CorporateAndSecuredCompositeServicesAreNotConnected (828) Type: serviceAlarm (16) Package: ipsec Raised on class: ipsec.IPSecSecuredVpn	Severity: warning Implicitly cleared: false Default probable cause: CompositeServiceMisconfiguration (591)	Unspecified
Description: The alarm is raised when the corporate and secured services used by an IPsec VPN do not have a connector between them.		
Raising condition: ('corporateToSecureServiceConnector' EQUAL 'Not Connected')		
Clearing condition: (('corporateToSecureServiceConnector' EQUAL 'Connected') OR ('corporateToSecureServiceConnector' EQUAL 'None'))		
Remedial action: Create a connector to connect the Corporate service and Secured service.		

Table 35-93 CorporateAndSecuredCompositeServicesMismatch

Alarm	Attributes	Applicable major NE releases
Name: CorporateAndSecuredCompositeServicesMismatch (829) Type: serviceAlarm (16) Package: ipsec Raised on class: ipsec.IPSecSecuredVpn	Severity: warning Implicitly cleared: false Default probable cause: CompositeServiceMisconfiguration (591)	Unspecified
Description: The alarm is raised when the corporate and secured services used by an IPsec VPN are in different composite services.		
Remedial action: Informational - no corrective action required.		

Table 35-94 CorruptedBgpUpdate

Alarm	Attributes	Applicable major NE releases
Name: CorruptedBgpUpdate (3328) Type: topologyAlarm (34) Package: topology Raised on class: topology.BgpAutonomousSystem	Severity: major Implicitly cleared: false Default probable cause: CorruptedBgpUpdateDetected (1164)	Unspecified
Description: The alarm is raised when a BGP-bad-update-packet-received message is sent from the CPAA against a BGP AS. The alarm is not auto-cleared by CPAM.		
Remedial action: A peer is sending a corrupted BGP update. The information regarding the update can be viewed in the BGP corrupted update record. Action should be taken to fix the offending BGP speaker.		

Table 35-95 CouplingEthernetLinkDown

Alarm	Attributes	Applicable major NE releases
Name: CouplingEthernetLinkDown (4819) Type: communicationsAlarm (4) Package: mwa Raised on class: mwa.PortTermination	Severity: variable Implicitly cleared: true Default probable cause: LossOfSignal (541)	Unspecified
Description: The alarm is raised when a MPT detects a coupling Ethernet Link Down		
Remedial action: Please refer to either 9500 or 7705 Node Maintenance manual for remedial action information.		

Table 35-96 CouplingLossOfRadioFrame

Alarm	Attributes	Applicable major NE releases
Name: CouplingLossOfRadioFrame (4820) Type: communicationsAlarm (4) Package: mwa Raised on class: mwa.PortTermination	Severity: variable Implicitly cleared: true Default probable cause: LossOfFrame (1904)	Unspecified
Description: The alarm is raised when a MPT detects a Loss of Radio Frame from Coupling Path		
Remedial action: Please refer to either 9500 or 7705 Node Maintenance manual for remedial action information.		

Table 35-97 CouplingPortSFPCardFailure

Alarm	Attributes	Applicable major NE releases
Name: CouplingPortSFPCardFailure (4821) Type: equipmentAlarm (3) Package: mwa Raised on class: mwa.PortTermination	Severity: variable Implicitly cleared: true Default probable cause: ReplaceableUnitProblem (1905)	Unspecified
Description: This alarm is raised when coupling port SFP Card failure is detected.		
Remedial action: Please refer to either 9500 or 7705 Node Maintenance manual for remedial action information.		

Table 35-98 CouplingPortSFPMissing

Alarm	Attributes	Applicable major NE releases
Name: CouplingPortSFPMissing (4822) Type: equipmentAlarm (3) Package: mwa Raised on class: mwa.PortTermination	Severity: variable Implicitly cleared: true Default probable cause: ReplaceableUnitMissing (1906)	Unspecified

(1 of 2)

35 – Unspecified NE alarms

Alarm	Attributes	Applicable major NE releases
Description: This alarm is raised when coupling port SFP is missing.		
Remedial action: Please refer to either 9500 or 7705 Node Maintenance manual for remedial action information.		

(2 of 2)

Table 35-99 CpaalAreaUnreachableThroughISIS

Alarm	Attributes	Applicable major NE releases
Name: CpaalAreaUnreachableThroughISIS (5418) Type: topologyAlarm (34) Package: topology Raised on class: topology.Cpaal	Severity: major Implicitly cleared: true Default probable cause: CPAALinksToAreaDown (2125)	Unspecified
Description: The alarm is raised when all links from CPAA to an area are down.		
Remedial action: 1) The active CPAA cannot reach certain CPAA instance through the ISIS protocol. Please check the links to the unreachable CPAA instance. 2) If the standby CPAA is functional as per your requirements, switch-over might resolve the issue.		

Table 35-100 CpaalAreaUnreachableThroughOSPF

Alarm	Attributes	Applicable major NE releases
Name: CpaalAreaUnreachableThroughOSPF (5419) Type: topologyAlarm (34) Package: topology Raised on class: topology.Cpaal	Severity: major Implicitly cleared: true Default probable cause: CPAALinksToAreaDown (2125)	Unspecified
Description: The alarm is raised when all links from CPAA to OSPF area are down.		
Remedial action: 1) The active CPAA cannot reach certain area through the OSPF protocol. Please check the links to the unreachable area. 2) If the standby CPAA is functional as per your requirements, switch-over might resolve the issue.		

Table 35-101 CpaalAreaUnreachableThroughOSPFv3

Alarm	Attributes	Applicable major NE releases
Name: CpaalAreaUnreachableThroughOSPFv3 (5420) Type: topologyAlarm (34) Package: topology Raised on class: topology.Cpaal	Severity: major Implicitly cleared: true Default probable cause: CPAALinksToAreaDown (2125)	Unspecified
Description: The alarm is raised when all links from CPAA to OSPFv3 area are down.		
Remedial action: 1) The active CPAA cannot reach certain area through the OSPFv3 protocol. Please check the links to the unreachable area. 2) If the standby CPAA is functional as per your requirements, switch-over might resolve the issue.		

Table 35-102 CpmTimedLicenseExpiryNotice

Alarm	Attributes	Applicable major NE releases
Name: CpmTimedLicenseExpiryNotice (692) Type: cpmLicensingAlarm (39) Package: security Raised on class: security.CpmLicense	Severity: variable Implicitly cleared: false Default probable cause: timedcpmLicenseExpiryNotice (293)	Unspecified
Description: The alarm is raised when the 5650 CPAM license timer expires. The alarm information includes the license expiry date.		
Remedial action: Informational - the CPAM license key is about to expire. Please contact Alcatel-Lucent Sales to request either an extension for the license or a permanent license key.		

Table 35-103 CpeUnreachable

Alarm	Attributes	Applicable major NE releases
Name: CpeUnreachable (525) Type: communicationsAlarm (4) Package: rtr Raised on class: rtr.StaticRoute	Severity: major Implicitly cleared: true Default probable cause: CpeUnreachable (334)	Unspecified
Description: The alarm is raised when the CPE associated with a static route is unreachable.		
Remedial action: Please check that the static route is correct or exists for the CPE.		

Table 35-104 CPMPChipMemoryEvent

Alarm	Attributes	Applicable major NE releases
Name: CPMPChipMemoryEvent (4989) Type: hardwareAnomaly (55) Package: equipment Raised on class: equipment.ProcessorCard	Severity: warning Implicitly cleared: true Default probable cause: memoryParityError (451)	Unspecified
Description: The alarm is raised when a PChip detects a memory error. The alarm is raised against a 7450 ESS, 7710 SR, 7950 SR, or 7750 SR. The alarm is raised against a Release 11.0 NE at R4 or later.		
Remedial action: A fault has been detected in the hardware if the problem persists please contact Alcatel-Lucent support for assistance.		

35 – Unspecified NE alarms

Table 35-105 CreditControlInsertedFiltrEntryDropped

Alarm	Attributes	Applicable major NE releases
Name: CreditControlInsertedFiltrEntryDropped (1150) Type: configurationAlarm (11) Package: acfilter Raised on class: acfilter.FilterDefinition	Severity: warning Implicitly cleared: false Default probable cause: FilterEntryDropped (856)	Unspecified
Description: The alarm is raised when a request to insert a filter entry is not successful for a credit control application.		
Remedial action: A Configuration error has occurred. The request to insert a filter entry was not successful for Credit Control application. Check the configuration filter entry.		

Table 35-106 CreditControlInsertSpaceThresholdAlarm

Alarm	Attributes	Applicable major NE releases
Name: CreditControlInsertSpaceThresholdAlarm (1149) Type: configurationAlarm (11) Package: acfilter Raised on class: acfilter.FilterDefinition	Severity: major Implicitly cleared: true Default probable cause: UtilizationExceedConfiguredLimit (855)	Unspecified
Description: The alarm is raised when the utilization of a filter entry range that is reserved for filter entry insertion increases to the configured maximum value for a credit control application insert range.		
Remedial action: The filter entry range reserved for filter entry insertion has increased to the configured high watermark for Credit Control application. Make an adjusted to the high watermark or to the filter.		

Table 35-107 CrossConnectionFail

Alarm	Attributes	Applicable major NE releases
Name: CrossConnectionFail (679) Type: communicationsAlarm (4) Package: radioequipment Raised on class: radioequipment.RadioPortSpecifics	Severity: variable Implicitly cleared: true Default probable cause: crossConnectionFail (494)	Unspecified
Description: The alarm is raised when an MSS TDM cross-connection fails.		
Remedial action: Please refer 9500 Node Maintenance manual for remedial action information.		

Table 35-108 CTAuxMisalignmentWhileEnbAutoAllocationDisabled

Alarm	Attributes	Applicable major NE releases
Name: CTAuxMisalignmentWhileEnbAutoAllocationDisabled (5423) Type: communicationsAlarm (4) Package: lte Raised on class: lte.CallTraceSessionManager	Severity: major Implicitly cleared: true Default probable cause: eNBsAuxIPMisalignment (2126)	Unspecified
Description: The alarm is raised if automatic AUX allocation is disabled and if there is a discrepancy between the eNB configurations and the AUX assigned to the eNB in SAM. If the automatic AUX allocation is enabled, SAM will automatically set the eNB IP addresses linked to the trace management on the assigned AUX in SAM.		
Remedial action: Manually launch the allocation of the eNBs to the active CT AUX server.		

Table 35-109 DatabaseServerErrors

Alarm	Attributes	Applicable major NE releases
Name: DatabaseServerErrors (5174) Type: databaseAlarm (29) Package: db Raised on class: db.DatabaseManager	Severity: critical Implicitly cleared: false Default probable cause: DatabaseErrors (2090)	Unspecified
Description: The alarm is raised when when a critical Oracle error occurs.		
Remedial action: The probable cause of this alarm is the database server detected a critical error. The EmsDbServerHealth.log and oracle trace files will provide more information.		

Table 35-110 DatabaseSqlFormatInvalid

Alarm	Attributes	Applicable major NE releases
Name: DatabaseSqlFormatInvalid (4419) Type: databaseAlarm (29) Package: db Raised on class: db.DatabaseManager	Severity: major Implicitly cleared: false Default probable cause: InvalidSqlFormat (1583)	Unspecified
Description: The alarm is raised when an invalid SQL is detected by the database server.		
Remedial action: The probable cause of this alarm is the database server detected invalid SQL. The EmsDbServerHealth.log will provide more information. Possible causes include SQL injection and invalid SQL statement errors.		

Table 35-111 DataChannelLoopback

Alarm	Attributes	Applicable major NE releases
Name: DataChannelLoopback (3945) Type: configurationAlarm (11) Package: tdmequipment Raised on class: tdmequipment.DataChannelSpecifics	Severity: warning Implicitly cleared: true Default probable cause: dataChannelLoopback (1526)	Unspecified
Description: The alarm is raised when an NE reports that a data channel has a loopback alarm condition.		
Remedial action: Informational only.		

Table 35-112 DataMtReused

Alarm	Attributes	Applicable major NE releases
Name: DataMtReused (361) Type: dataMtReusedAlarm (37) Package: pim Raised on class: pim.DataMtInterface	Severity: warning Implicitly cleared: false Default probable cause: DataMtReused (258)	Unspecified
Description: The alarm is raised when a data MDT is reused.		
Remedial action: A configuration error has occurred that must be corrected. Please check MVPN Selective Tunnel Data MT Interface configuration so that no duplicate C (S,G) is mapped to a data MDT.		

Table 35-113 DaughterCardConfigNotCompatible

Alarm	Attributes	Applicable major NE releases
Name: DaughterCardConfigNotCompatible (404) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.DaughterCardSlot	Severity: critical Implicitly cleared: false Default probable cause: DaughterCardConfigNotCompatible (301)	Unspecified
Description: The alarm is raised when a supported MDA is inserted into a compatible IOM slot, but the configuration on the MDA ports is not compatible with the MDA.		
Remedial action: A configuration error has occurred which must be corrected. The configuration of one or more ports must be changed to match the ports on the MDA.		

Table 35-114 DDosCardFpEventOverflow

Alarm	Attributes	Applicable major NE releases
Name: DDosCardFpEventOverflow (4460) Type: securityServiceOrMechanismViolation (92) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: eventOverflow (1684)	Unspecified
Description: The alarm is raised when a flood of distributed CPU FP protection events occur on a particular card and some of the events are lost due to event throttling mechanism.		
Remedial action: Please reduce the number of distributed DoS FP protection policers configured.		

Table 35-115 DDosCardSapEventOverflow

Alarm	Attributes	Applicable major NE releases
Name: DDosCardSapEventOverflow (4461) Type: securityServiceOrMechanismViolation (92) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: eventOverflow (1684)	Unspecified
Description: The alarm is raised when a flood of distributed CPU protection SAP events occur on a particular card and some of the events are lost due to event throttling mechanism.		
Remedial action: Please reduce the number of distributed DoS SAP protection policers configured.		

Table 35-116 DDosCardVrtrIfEventOverflow

Alarm	Attributes	Applicable major NE releases
Name: DDosCardVrtrIfEventOverflow (4462) Type: securityServiceOrMechanismViolation (92) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: eventOverflow (1684)	Unspecified
Description: The alarm is raised when a flood of distributed CPU protection network-interface events occur on a particular card and some of the events are lost due to event throttling mechanism.		
Remedial action: Please reduce the number of distributed DoS Network Interface protection policers configured.		

Table 35-117 DDosFpDynamicPoolUsageHigh

Alarm	Attributes	Applicable major NE releases
Name: DDosFpDynamicPoolUsageHigh (4463) Type: securityServiceOrMechanismViolation (92) Package: equipment Raised on class: equipment.ForwardingPlane	Severity: warning Implicitly cleared: true Default probable cause: resourceLimitReached (131)	Unspecified
Description: The alarm is raised when the dynamic enforcement policer pool usage on the forwarding plane is nearly exhausted.		
Remedial action: Please adjust the dynamic enforcement policer pool usage.		

Table 35-118 Degrade

Alarm	Attributes	Applicable major NE releases
Name: Degrade (622) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Port	Severity: variable Implicitly cleared: true Default probable cause: degrade (462)	Unspecified
Description: The alarm is raised when a degraded signal is detected.		
Remedial action: The signal being received on the indicated port is of poor quality. Check to ensure that the physical link is not damaged and that the link is properly connected/seated to the port.		

Table 35-119 DemFail (equipment)

Alarm	Attributes	Applicable major NE releases
Name: DemFail (680) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Equipment	Severity: variable Implicitly cleared: true Default probable cause: demFail (495)	Unspecified
Description: The alarm is raised when an MSS demodulation function fails.		
Remedial action: Please refer 9500 Node Maintenance manual for remedial action information.		

Table 35-120 DemFail (radioequipment)

Alarm	Attributes	Applicable major NE releases
Name: DemFail (680) Type: communicationsAlarm (4) Package: radioequipment Raised on class: radioequipment.RadioPortSpecifics	Severity: variable Implicitly cleared: true Default probable cause: demFail (495)	Unspecified
Description: The alarm is raised when an MSS demodulation function fails.		
Remedial action: Please refer 9500 Node Maintenance manual for remedial action information.		

Table 35-121 DemodulatorUnlocked

Alarm	Attributes	Applicable major NE releases
Name: DemodulatorUnlocked (4823) Type: communicationsAlarm (4) Package: mwa Raised on class: mwa.PortTermination	Severity: variable Implicitly cleared: true Default probable cause: DemodulationFailure (1907)	Unspecified
Description: The alarm is raised when a MPT detects demodulation failure.		
Remedial action: Please refer to either 9500 or 7705 Node Maintenance manual for remedial action information.		

Table 35-122 DemXpicLOS (equipment)

Alarm	Attributes	Applicable major NE releases
Name: DemXpicLOS (3622) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Port	Severity: variable Implicitly cleared: true Default probable cause: demXpicLos (1411)	Unspecified
Description: The alarm is raised when a loss of signal occurs during XPIC demodulation.		
Remedial action: The alarm is raised when a loss of signal occurs on XPIC demodulation		

Table 35-123 DemXpicLOS (mpr)

Alarm	Attributes	Applicable major NE releases
Name: DemXpicLOS (3622) Type: communicationsAlarm (4) Package: mpr Raised on class: mpr.SubRackElements	Severity: variable Implicitly cleared: true Default probable cause: demXpicLos (1411)	Unspecified

(1 of 2)

35 – Unspecified NE alarms

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when a loss of signal occurs during XPIC demodulation.		
Remedial action: The alarm is raised when a loss of signal occurs on XPIC demodulation		

(2 of 2)

Table 35-124 DependentObjectDeleted

Alarm	Attributes	Applicable major NE releases
Name: DependentObjectDeleted (192) Type: configurationAlarm (11) Package: template Raised on class: template.Template	Severity: major Implicitly cleared: true Default probable cause: referencedObjectGone (151)	Unspecified
Description: The alarm is raised when an object referenced by a template cannot be found. The alarm is deprecated in the 5620 SAM, Release 6.0 and later.		
Raising condition: ('Invalid References (Reset on Save)' EQUAL 'true')		
Clearing condition: ('Invalid References (Reset on Save)' EQUAL 'false')		
Remedial action: Informational - deprecated 6.0		

Table 35-125 DeployProfileFailed

Alarm	Attributes	Applicable major NE releases
Name: DeployProfileFailed (610) Type: configurationAlarm (11) Package: autoconfig Raised on class: autoconfig.AutoProvisioning	Severity: major Implicitly cleared: false Default probable cause: DeployProfileFailed (453)	Unspecified
Description: The alarm is raised when the deployment of a script to a 7705 SAR fails.		
Remedial action: Informational - Please revisit target node configuration.		

Table 35-126 DetectedPreProvisionedCandidateNodeHasConfig

Alarm	Attributes	Applicable major NE releases
Name: DetectedPreProvisionedCandidateNodeHasConfig (1960) Type: communicationsAlarm (4) Package: netw Raised on class: netw.DiscoveredNode	Severity: critical Implicitly cleared: false Default probable cause: detectedPreProvisionedCandidateNodeHasConfig (947)	Unspecified

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when the candidate node detected for pre-provisioning already has a configuration in it. The configuration in the detected node is replaced with the configuration in the matching pre-provisioned node in SAM during the deployment stage of self-configuration.		
Remedial action: Verify that the candidate network element is intended to be pre-provisioned with the specified configuration. configuration deployment stage of self-config		

(2 of 2)

Table 35-127 DfPeerDown

Alarm	Attributes	Applicable major NE releases
Name: DfPeerDown (3304) Type: EpcLIAAlarm (102) Package: Iteli Raised on class: Iteli.DfPeer	Severity: major Implicitly cleared: true Default probable cause: DfPeerDown (1151)	Unspecified
Description: The alarm is raised on a Delivery Function that is operationally down.		
Raising condition: (('isLocal' EQUAL 'true') AND ('Operational State' NOT EQUAL 'In Service'))		
Clearing condition: NOT (((('isLocal' EQUAL 'true') AND ('Operational State' NOT EQUAL 'In Service'))))		
Remedial action: A TCP connection failure associated with a Delivery Function has occurred. The underlying transport network is unreliable. Please correct the issue within the transport network.		

Table 35-128 DHCPSPoLeaseUpdateFailedAddressConflict

Alarm	Attributes	Applicable major NE releases
Name: DHCPSPoLeaseUpdateFailedAddressConflict (4977) Type: configurationAlarm (11) Package: dhcp Raised on class: dhcp.LocalDhcpServerFailover	Severity: warning Implicitly cleared: false Default probable cause: DHCPSPoLeaseUpdateFailedAddressConflict (2032)	Unspecified
Description: This alarm is raised when a address conflict lease update received from the failover peer cannot be processed successfully. This DHCP server instance has already leased another address to this host.		
Remedial action: This alarm indicates the Local DHCP Server Failover lease update has failed. Packet received from the failover peer, cannot be processed successfully. This DHCP server instance has already leased another address to this host. Please ensure all configuration is correct.		

35 – Unspecified NE alarms

Table 35-129 DHCPSPFoLeaseUpdateFailedfoShutdown

Alarm	Attributes	Applicable major NE releases
Name: DHCPSPFoLeaseUpdateFailedfoShutdown (4985) Type: configurationAlarm (11) Package: dhcp Raised on class: dhcp.LocalDhcpServerFailover	Severity: warning Implicitly cleared: false Default probable cause: DHCPSPFoLeaseUpdateFailedfoShutdown (2040)	Unspecified
Description: This alarm is raised when a shutdown lease update received from the failover peer cannot be processed successfully. The failover state of this DHCP Server instance is 'shutdown'.		
Remedial action: This alarm indicates the Local DHCP Server Failover lease update has failed. Packet received from the failover peer, cannot be processed successfully. The failover state of this DHCP Server instance is 'shutdown'. Please ensure all configuration is correct.		

Table 35-130 DHCPSPFoLeaseUpdateFailedHostConflict

Alarm	Attributes	Applicable major NE releases
Name: DHCPSPFoLeaseUpdateFailedHostConflict (4978) Type: configurationAlarm (11) Package: dhcp Raised on class: dhcp.LocalDhcpServerFailover	Severity: warning Implicitly cleared: false Default probable cause: DHCPSPFoLeaseUpdateFailedHostConflict (2033)	Unspecified
Description: This alarm is raised when a host conflict lease update received from the failover peer cannot be processed successfully. This DHCP server instance has already leased this address to another host.		
Remedial action: This alarm indicates the Local DHCP Server Failover lease update has failed. Packet received from the failover peer, cannot be processed successfully. This DHCP server instance has already leased this address to another host. Please ensure all configuration is correct.		

Table 35-131 DHCPSPFoLeaseUpdateFailedLeaseExpired

Alarm	Attributes	Applicable major NE releases
Name: DHCPSPFoLeaseUpdateFailedLeaseExpired (4979) Type: configurationAlarm (11) Package: dhcp Raised on class: dhcp.LocalDhcpServerFailover	Severity: warning Implicitly cleared: false Default probable cause: DHCPSPFoLeaseUpdateFailedLeaseExpired (2034)	Unspecified
Description: This alarm is raised when a lease expired lease update received from the failover peer cannot be processed successfully. The lease received from the peer has expired.		
Remedial action: This alarm indicates the Local DHCP Server Failover lease update has failed. Packet received from the failover peer, cannot be processed successfully. The lease received from the peer has expired. Please ensure all configuration is correct.		

Table 35-132 DHCPSPoLeaseUpdateFailedMaxLeaseReached

Alarm	Attributes	Applicable major NE releases
Name: DHCPSPoLeaseUpdateFailedMaxLeaseReached (4980) Type: configurationAlarm (11) Package: dhcp Raised on class: dhcp.LocalDhcpServerFailover	Severity: warning Implicitly cleared: false Default probable cause: DHCPSPoLeaseUpdateFailedMaxLeaseReached (2035)	Unspecified
Description: This alarm is raised when a maximum reached lease update received from the failover peer cannot be processed successfully. The maximum number of leases is already reached.		
Remedial action: This alarm indicates the Local DHCP Server Failover lease update has failed. Packet received from the failover peer, cannot be processed successfully. The maximum number of leases is already reached. Please ensure all configuration is correct.		

Table 35-133 DHCPSPoLeaseUpdateFailedPeerConflict

Alarm	Attributes	Applicable major NE releases
Name: DHCPSPoLeaseUpdateFailedPeerConflict (4981) Type: configurationAlarm (11) Package: dhcp Raised on class: dhcp.LocalDhcpServerFailover	Severity: warning Implicitly cleared: false Default probable cause: DHCPSPoLeaseUpdateFailedPeerConflict (2036)	Unspecified
Description: This alarm is raised when a peer conflict lease update received from the failover peer cannot be processed successfully. The failover peer has leased an address within a subnet range of which the failover control is set to 'local' on this local DHCP server instance.		
Remedial action: This alarm indicates the Local DHCP Server Failover lease update has failed. Packet received from the failover peer, cannot be processed successfully. The failover peer has leased an address within a subnet range of which the failover control is set to 'local' on this local DHCP server instance. Please ensure all configuration is correct.		

Table 35-134 DHCPSPoLeaseUpdateFailedPersistenceCongested

Alarm	Attributes	Applicable major NE releases
Name: DHCPSPoLeaseUpdateFailedPersistenceCongested (4982) Type: configurationAlarm (11) Package: dhcp Raised on class: dhcp.LocalDhcpServerFailover	Severity: warning Implicitly cleared: false Default probable cause: DHCPSPoLeaseUpdateFailedPersistenceCongested (2037)	Unspecified
Description: This alarm is raised when a persistence congested lease update received from the failover peer cannot be processed successfully. The lease received from the peer can not be persistently stored because the persistence subsystem is in overload.		
Remedial action: This alarm indicates the Local DHCP Server Failover lease update has failed. Packet received from the failover peer, cannot be processed successfully. The lease received from the peer can not be persistently stored because the persistence subsystem is in overload. Please ensure all configuration is correct.		

35 – Unspecified NE alarms

Table 35-135 DHCPFoLeaseUpdateFailedRangeNotFound

Alarm	Attributes	Applicable major NE releases
Name: DHCPFoLeaseUpdateFailedRangeNotFound (4983) Type: configurationAlarm (11) Package: dhcp Raised on class: dhcp.LocalDhcpServerFailover	Severity: warning Implicitly cleared: false Default probable cause: DHCPFoLeaseUpdateFailedRangeNotFound (2038)	Unspecified
Description: This alarm is raised when a range not found lease update received from the failover peer cannot be processed successfully. No valid include range for this lease could be found.		
Remedial action: This alarm indicates the Local DHCP Server Failover lease update has failed. Packet received from the failover peer, cannot be processed successfully. No valid include range for this lease could be found. Please ensure all configuration is correct.		

Table 35-136 DHCPFoLeaseUpdateFailedSubnetNotFound

Alarm	Attributes	Applicable major NE releases
Name: DHCPFoLeaseUpdateFailedSubnetNotFound (4984) Type: configurationAlarm (11) Package: dhcp Raised on class: dhcp.LocalDhcpServerFailover	Severity: warning Implicitly cleared: false Default probable cause: DHCPFoLeaseUpdateFailedSubnetNotFound (2039)	Unspecified
Description: This alarm is raised when a subnet not found lease update received from the failover peer cannot be processed successfully. No valid subnet for this lease could be found.		
Remedial action: This alarm indicates the Local DHCP Server Failover lease update has failed. Packet received from the failover peer, cannot be processed successfully. No valid subnet for this lease could be found. Please ensure all configuration is correct.		

Table 35-137 DiamAppMessageDropped

Alarm	Attributes	Applicable major NE releases
Name: DiamAppMessageDropped (5175) Type: processingErrorAlarm (81) Package: diameter Raised on class: diameter.DiameterPeer	Severity: minor Implicitly cleared: false Default probable cause: diamAppMessageDropped (2091)	Unspecified
Description: The alarm is raised when the Diameter protocol has dropped a message		
Remedial action: The recovery action depends on the exact cause of the failure. See the Additional Text field in the Alarm Info form for a specific cause for the failure.		

Table 35-138 DiamAppSessionFailure

Alarm	Attributes	Applicable major NE releases
Name: DiamAppSessionFailure (5410) Type: processingErrorAlarm (81) Package: ressubscr Raised on class: ressubscr.ResidentialSubscriberInstance	Severity: minor Implicitly cleared: false Default probable cause: diamAppSessionFailure (2118)	Unspecified
Description: The alarm is raised when the Diameter protocol has a session failure.		
Remedial action: The recovery action depends on the exact cause of the failure. See the Additional Text field in the Alarm Info form for a specific cause for the failure.		

Table 35-139 DiskCapacityProblem

Alarm	Attributes	Applicable major NE releases
Name: DiskCapacityProblem (144) Type: storageAlarm (25) Package: equipment Raised on class: equipment.FlashMemory	Severity: variable Implicitly cleared: false Default probable cause: diskCapacityProblem (115)	Unspecified
Description: The alarm is raised when a compact flash capacity threshold value on an NE is reached or exceeded. The alarm condition is detected during resynchronization or when a tnmxEqFlashDiskFull trap is received. The threshold value is not configurable. The severity of the alarm depends on the percentage of disk capacity used, as listed below: - 75 percent, Minor - 90 percent, Major - 100 percent, Critical		
Remedial action: The usage of the compact flash device must be analysed and old or redundant files must be removed. This operation must be executed using the CLI interface on the NE.		

Table 35-140 DryContactAlarm

Alarm	Attributes	Applicable major NE releases
Name: DryContactAlarm (460) Type: dryContactAlarm (47) Package: equipment Raised on class: equipment.DryContact	Severity: variable Implicitly cleared: false Default probable cause: dryContactExternalAlarmRaised (351)	Unspecified
Description: The alarm is raised when a device detects a dry contact alarm condition.		
Remedial action: The remedial action for this alarm depends on the condition that the dry contact alarm is configured.		

Table 35-141 DS1E1Loopback

Alarm	Attributes	Applicable major NE releases
Name: DS1E1Loopback (409) Type: configurationAlarm (11) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: warning Implicitly cleared: true Default probable cause: ds1e1Loopback (305)	Unspecified
Description: The alarm is raised when an NE reports that a specific DS1 or E1 channel has a loopback alarm condition.		
Remedial action: Informational only.		

Table 35-142 DS3E3Loopback

Alarm	Attributes	Applicable major NE releases
Name: DS3E3Loopback (408) Type: configurationAlarm (11) Package: tdmequipment Raised on class: tdmequipment.DS3E3ChannelSpecifics	Severity: warning Implicitly cleared: true Default probable cause: ds3e3Loopback (304)	Unspecified
Description: The alarm is raised when an NE reports that a specific DS3 or E3 channel has a loopback alarm condition.		
Remedial action: Informational only.		

Table 35-143 DscPlatformLicenseKeyExpiredAlarm

Alarm	Attributes	Applicable major NE releases
Name: DscPlatformLicenseKeyExpiredAlarm (1133) Type: EpcAlarm (59) Package: lte Raised on class: lte.DynamicServicesControllerInstance	Severity: major Implicitly cleared: false Default probable cause: DscPlatformLicenseKeyExpired (841)	Unspecified
Description: The alarm is raised when the DSC platform license key is expired.		
Remedial action: Contact Alcatel-Lucent support to obtain new DSC license key		

Table 35-144 DscPlatformLicenseKeyExpiringAlarm

Alarm	Attributes	Applicable major NE releases
Name: DscPlatformLicenseKeyExpiringAlarm (1134) Type: EpcAlarm (59) Package: Ite Raised on class: Ite.DynamicServicesControllerInstance	Severity: minor Implicitly cleared: false Default probable cause: DscPlatformLicenseKeyExpiring (842)	Unspecified
Description: The alarm is raised when the DSC platform license key is expiring.		
Remedial action: Contact Alcatel-Lucent support to obtain new DSC license key		

Table 35-145 DscPlatformLicenseKeyHighWaterAlarm

Alarm	Attributes	Applicable major NE releases
Name: DscPlatformLicenseKeyHighWaterAlarm (1135) Type: EpcAlarm (59) Package: Ite Raised on class: Ite.DynamicServicesControllerInstance	Severity: minor Implicitly cleared: false Default probable cause: DscPlatformLicenseKeyHighWaterMarkCrossed (843)	Unspecified
Description: The alarm is raised when the 5780 DSC license key crosses the high watermark for a specified threshold.		
Remedial action: Contact Alcatel-Lucent support to obtain new DSC license key		

Table 35-146 DscPlatformLicenseKeyLowWaterAlarm

Alarm	Attributes	Applicable major NE releases
Name: DscPlatformLicenseKeyLowWaterAlarm (1136) Type: EpcAlarm (59) Package: Ite Raised on class: Ite.DynamicServicesControllerInstance	Severity: info Implicitly cleared: false Default probable cause: DscPlatformLicenseKeyLowWaterMarkCrossed (844)	Unspecified
Description: The alarm is raised when the 5780 DSC license key crosses the low watermark for a specified threshold.		
Remedial action: Contact Alcatel-Lucent support to obtain new DSC license key		

Table 35-147 DscPlatformLicenseKeyThresholdReachedAlarm

Alarm	Attributes	Applicable major NE releases
Name: DscPlatformLicenseKeyThresholdReachedAlarm (1137) Type: EpcAlarm (59) Package: lte Raised on class: lte.DynamicServicesControllerInstance	Severity: major Implicitly cleared: true Default probable cause: DscPlatformLicenseKeyThresholdReached (845)	Unspecified
Description: The alarm is raised when the 5780 DSC license key reaches a specified threshold.		
Remedial action: NContact Alcatel-Lucent support to obtain new DSC license key		

Table 35-148 DualEndedLossNotSupported

Alarm	Attributes	Applicable major NE releases
Name: DualEndedLossNotSupported (1194) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.MaintAssociation	Severity: warning Implicitly cleared: true Default probable cause: dualEndedLossNotSupported (895)	Unspecified
Description: The alarm is raised when a MEP that does not support Y1731 Dual Ended Loss test is participating in a CFM Continuity Check test that has Y1731 Dual Ended Loss test enabled.		
Remedial action: Informational - The alarm is raised when at least one MEP that does not support Y1731 Dual Ended Loss test is participating in a CFM Continuity Check test that has Y1731 Dual Ended Loss test enabled.		

Table 35-149 DualEndedLossThresholdAlarm

Alarm	Attributes	Applicable major NE releases
Name: DualEndedLossThresholdAlarm (1195) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: minor Implicitly cleared: true Default probable cause: dualEndedLossThresholdExceeded (896)	Unspecified
Description: The alarm is raised when a MEP reports that either the Local or Remote loss ratio has exceeded the configured threshold for the specified remote MEP.		
Remedial action: Informational - The alarm is raised when a MEP reports that either the Local or Remote loss ratio has exceeded the configured threshold for the specified remote MEP.		

Table 35-150 DualMaster

Alarm	Attributes	Applicable major NE releases
Name: DualMaster (420) Type: configurationAlarm (11) Package: srrp Raised on class: srrp.Instance	Severity: major Implicitly cleared: false Default probable cause: dualMaster (313)	Unspecified
Description: The alarm is raised when the local and remote SRRP instances are in the master state.		
Remedial action: Shut down one of the peer SRRP instances, modify the priority to a larger value (lower priority) and then turn it up.		

Table 35-151 duplicateAdminGroupName

Alarm	Attributes	Applicable major NE releases
Name: duplicateAdminGroupName (4895) Type: configurationAlarm (11) Package: svt Raised on class: svt.TunnelAdminGroup	Severity: warning Implicitly cleared: true Default probable cause: duplicateNameExists (1953)	Unspecified
Description: The alarm is raised when two or more global Admin Groups share the same group name.		
Remedial action: Either change the admin group name to a different value, or delete this one and recreate it with a new name.		

Table 35-152 DuplicateIpAddress

Alarm	Attributes	Applicable major NE releases
Name: DuplicateIpAddress (5129) Type: configurationAlarm (11) Package: rtr Raised on class: rtr.VirtualRouterIpAddress	Severity: major Implicitly cleared: true Default probable cause: duplicateIpAddress (2059)	Unspecified
Description: The alarm is raised when a duplicate routing instance IP Address is configured on on two or more different NEs.		
Remedial action: A configuration error has been made which must be corrected. The duplicate IP address with the Prefix must be deleted or modified. Navigate to the Virtual Router Duplicate IP Addresses listing: (Tools -> Network Resources -> Virtual Router Duplicate IP Addresses), for more information on the duplicate IP address.		

Table 35-153 DuplicateRole

Alarm	Attributes	Applicable major NE releases
Name: DuplicateRole (470) Type: configurationAlarm (11) Package: equipment Raised on class: equipment.StackConfiguration	Severity: major Implicitly cleared: false Default probable cause: twoElementsWithSameRole (356)	Unspecified
Description: The alarm is raised when a slot has the same primary or secondary role as another slot in the stack. The slot subsequently enters pass-through mode.		
Remedial action: Login to switch console, check and correct configuration and reload stack.		

Table 35-154 DuplicateRouteDistinguisher

Alarm	Attributes	Applicable major NE releases
Name: DuplicateRouteDistinguisher (4996) Type: configurationAlarm (11) Package: I3fwd Raised on class: I3fwd.ServiceSite	Severity: warning Implicitly cleared: true Default probable cause: duplicateRouteDistinguisher (2050)	Unspecified
Description: The alarm is raised if a duplicate Route Distinguisher is configured on two different NE's on the same or different VPRN Service.		
Remedial action: The Route Distinguisher has been configured on another L3 VPRN Site. Please check the value of Route Distinguisher under Routing tab of VPRN Routing Instance.		

Table 35-155 DuplicateSlot

Alarm	Attributes	Applicable major NE releases
Name: DuplicateSlot (468) Type: configurationAlarm (11) Package: equipment Raised on class: equipment.StackConfiguration	Severity: major Implicitly cleared: false Default probable cause: duplicateSlotNINumber (354)	Unspecified
Description: The alarm is raised when a slot has the same slot number as another stack element. The slot must relinquish its operational status because it has a higher election key, based on the up time, slot number, and MAC address. Both slots subsequently enter pass-through mode.		
Remedial action: Login to switch console, correct the slot number and reload stack.		

Table 35-156 DuplicateVrfPolicy

Alarm	Attributes	Applicable major NE releases
Name: DuplicateVrfPolicy (229) Type: configurationAlarm (11) Package: I3fwd Raised on classes: <ul style="list-style-type: none"> I3fwd.ServiceSiteImportPolicy I3fwd.ServiceSiteExportPolicy 	Severity: warning Implicitly cleared: true Default probable cause: duplicateVrfPolicyExists (177)	Unspecified
Description: The alarm is raised when the 5620 SAM detects a duplicate VRF policy in a VPRN. The alarm information includes the VRF policy ID and type, and information about the service site. Note: starting from SAM 12.0 R1, SAM no longer raise this alarm since it is not much useful but has performance issue.		
Remedial action: A configuration error has been made which must be corrected. The duplicate VRF policy must be deleted. Note: starting from SAM 12.0 R1, SAM no longer raises this alarm.		

Table 35-157 DuplicateVrfTarget

Alarm	Attributes	Applicable major NE releases
Name: DuplicateVrfTarget (230) Type: configurationAlarm (11) Package: I3fwd Raised on class: I3fwd.ServiceSite	Severity: warning Implicitly cleared: true Default probable cause: duplicateVrfTargetExists (178)	Unspecified
Description: The alarm is raised when the 5620 SAM detects a duplicate VRF target in a VPRN. The alarm information includes the VRF policy ID and type, and information about the service site.		
Remedial action: A configuration error has been made which must be corrected. The duplicate VRF target must be deleted.		

Table 35-158 DyingGasp (equipment)

Alarm	Attributes	Applicable major NE releases
Name: DyingGasp (1164) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.CardSlot	Severity: major Implicitly cleared: false Default probable cause: dyingGaspSignal (463)	Unspecified
Description: The alarm is raised when a Dying Gasp trap is received to indicate a power failure.		
Remedial action: This alarm is raised by the node just before going down, this might be due to the fact that the power supply connected to the node is down or failed. Please make sure the power supply to the specific node is proper.		

Table 35-159 DyingGasp (netw)

Alarm	Attributes	Applicable major NE releases
Name: DyingGasp (1164) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: false Default probable cause: dyingGasp (1423)	Unspecified
Description: The alarm is raised when a 7210 SAS node has loss of power.		
Remedial action: This alarm is raised by the node just before going down, this might be due to the fact that the power supply connected to the node is down or failed. Please make sure the power supply to the specific node is proper.		

Table 35-160 DyingGaspSignal

Alarm	Attributes	Applicable major NE releases
Name: DyingGaspSignal (623) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: major Implicitly cleared: false Default probable cause: dyingGaspSignal (463)	Unspecified
Description: The alarm is raised when a Dying Gasp signal is received from a remote 7210 SAS to indicate a power loss.		
Clearing condition: ('state' EQUAL 'Link Up')		
Remedial action: This alarm is raised by the node to indicate that one of the neighbouring node which is directly connected to the specific port of this node has signaled that it's going down. This might be due to the fact that the power supply connected to the remote node is down or failed, please make sure the power supply to that specific remote node through the specific port (as found in the additional text field) is proper.		

Table 35-161 DynSvcIdRangeConflict

Alarm	Attributes	Applicable major NE releases
Name: DynSvcIdRangeConflict (4420) Type: DynSvcIdRangeConflict (126) Package: dynsvc Raised on class: dynsvc.DynSvcNeConfig	Severity: warning Implicitly cleared: true Default probable cause: DynSvcIdRangeConflict (1584)	Unspecified
Description: The alarm is raised when the configured Dynamic Service ID Range has conflicts with one or more Range Policies.		
Remedial action: A possible conflict currently exists between the Dynamic Service ID Range specified for this NE and one or more Range Policy entries. To clear the alarm, one of the two must change. This alarm may be benign if the the conflicting Range Policy and Dynamic Service ID Range were intended.		

Table 35-162 DynSvcSapFailure

Alarm	Attributes	Applicable major NE releases
Name: DynSvcSapFailure (4421) Type: DynSvcSapFailure (127) Package: dynsvc Raised on class: dynsvc.DynSvcNeConfig	Severity: warning Implicitly cleared: false Default probable cause: DynSvcSapFailure (1585)	Unspecified
Description: The DynSvcSapFailure alarm is raised when a Dynamic Services service SAP creation, modification or removal failed. If the SAP does not exist at the time of this notification, the value 'invalid portid' is put in the alarms sapPortId.'		
Remedial action: Ensure that the RADIUS server and python script specified by the Dynamic Service Policy is functioning correctly.		

Table 35-163 EarlyWarning (mwa)

Alarm	Attributes	Applicable major NE releases
Name: EarlyWarning (681) Type: communicationsAlarm (4) Package: mwa Raised on class: mwa.PortTermination	Severity: variable Implicitly cleared: true Default probable cause: EarlyWarning (1908)	Unspecified
Description: The alarm is raised when a MPT detects an early warning event.		
Remedial action: Please refer to either 9500 or 7705 Node Maintenance manual for remedial action information.		

Table 35-164 EarlyWarning (radioequipment)

Alarm	Attributes	Applicable major NE releases
Name: EarlyWarning (681) Type: communicationsAlarm (4) Package: radioequipment Raised on class: radioequipment.RadioPortSpecifics	Severity: variable Implicitly cleared: true Default probable cause: earlyWarning (496)	Unspecified
Description: The alarm is raised when an MSS detects an early warning event.		
Remedial action: Please refer 9500 Node Maintenance manual for remedial action information.		

Table 35-165 EcIdRxTxOrMacModified

Alarm	Attributes	Applicable major NE releases
Name: EcIdRxTxOrMacModified (802) Type: configurationAlarm (11) Package: mpr Raised on class: mpr.MprVII	Severity: minor Implicitly cleared: false Default probable cause: ecIdRxTxOrMacModified (568)	Unspecified
Description: The alarm is raised when something other than the 5620 SAM deletes a service cross-connect and creates a new service cross-connect whose MAC address, EC ID Rx, or EC ID Tx value does not match the value in the original service.		
Remedial action: Please refer 9500 Node Maintenance manual for remedial action information.		

Table 35-166 EncapsulationTypeIncompatible

Alarm	Attributes	Applicable major NE releases
Name: EncapsulationTypeIncompatible (250) Type: configurationAlarm (11) Package: vll Raised on class: vll.VII	Severity: major Implicitly cleared: false Default probable cause: sapEncapsulationTypeIncompatible (189)	Unspecified
Description: The alarm is raised when the encapsulation types of two SAPs in the same lpipe are mismatched.		
Raising condition: ('encapsulationTypeIncompatible' EQUAL 'true')		
Clearing condition: ('encapsulationTypeIncompatible' EQUAL 'false')		
Remedial action: Ensure that the encapsulation type of any two SAPs in I-Pipe service are not mismatched.		

Table 35-167 EndpointActiveObjectChanged

Alarm	Attributes	Applicable major NE releases
Name: EndpointActiveObjectChanged (437) Type: redundancyAlarm (52) Package: service Raised on class: service.Endpoint	Severity: warning Implicitly cleared: false Default probable cause: ServiceEndpointSwitchover (1442) Applicable probable causes: <ul style="list-style-type: none"> ServiceEndpointSwitchover ForceSwitchover 	Unspecified
Description: The alarm is raised when an automatic or manual endpoint switchover occurs.		
Remedial action: Informational - no corrective action required.		

Table 35-168 EndpointMacLimitReached

Alarm	Attributes	Applicable major NE releases
Name: EndpointMacLimitReached (444) Type: resourceAlarm (28) Package: vpls Raised on class: vpls.Endpoint	Severity: warning Implicitly cleared: true Default probable cause: resourceLimitReached (131)	Unspecified
Description: The alarm is raised when the 5620 SAM receives the svcEndpointMacLimitAlarmRaised trap from an NE, which indicates that the number of MAC addresses stored in the FDB for the endpoint exceeds the high watermark for the site FIB. The number of MAC addresses includes the static MAC addresses on the endpoint and the learned MAC addresses in the spoke SDPs that are associated with the endpoint. The alarm clears when the 5620 SAM receives the svcEndpointMacLimitAlarmCleared trap from the NE.		
Remedial action: Increase the high water mark for the site FIB to allow more entries to be added.		

Table 35-169 EPSAbnormalState

Alarm	Attributes	Applicable major NE releases
Name: EPSAbnormalState (3932) Type: epsAbnormalConditionAlarm (113) Package: mpr Raised on class: mpr.MPRProtection	Severity: variable Implicitly cleared: true Default probable cause: EPSProblem (1515)	Unspecified
Description: The alarm is raised when abnormal state resulted due to force switch/lockout operation in EPS mode.		
Remedial action: This alarm is raised when forced-switch/lockout command in EPS mode which led to an abnormal condition.		

Table 35-170 EPSPathDrillDownFailed

Alarm	Attributes	Applicable major NE releases
Name: EPSPathDrillDownFailed (847) Type: EpcAlarm (59) Package: lte Raised on class: lte.EPSPath	Severity: major Implicitly cleared: true Default probable cause: EPSPathDrillDownFailed (604)	Unspecified
Description: The alarm is raised when the drilldown of an EPS path fails.		
Raising condition: ('State' EQUAL 'Failed')		
Clearing condition: ('State' NOT EQUAL 'Failed')		
Remedial action: A configuration error has been made which must be corrected. The configured drill down hint does not match the underlying transport connectivity.		

35 – Unspecified NE alarms

Table 35-171 EPSPathReferencedObjectDeleted

Alarm	Attributes	Applicable major NE releases
Name: EPSPathReferencedObjectDeleted (848) Type: EpcAlarm (59) Package: lte Raised on class: lte.EPSPathComponent	Severity: major Implicitly cleared: true Default probable cause: EPSPathReferencedObjectDeleted (605)	Unspecified
Description: The alarm is raised when a referenced object is deleted.		
Raising condition: ('componentPointer' EQUAL '\\"')		
Clearing condition: ('componentPointer' NOT EQUAL '\\"')		
Remedial action: Informational - no corrective action required.		

Table 35-172 EthernetPortCrcFailure

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortCrcFailure (3629) Type: communicationsAlarm (4) Package: ethernetEquipment Raised on class: ethernetEquipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: ethernetPortCrcFailure (1414)	Unspecified
Description: The alarm is raised when an Ethernet port CRC alarm condition is detected (Signal Degradation Threshold or Signal Failure Threshold exceeded).		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 35-173 EthernetPortInternalAlarm

Alarm	Attributes	Applicable major NE releases
Name: EthernetPortInternalAlarm (3630) Type: communicationsAlarm (4) Package: ethernetEquipment Raised on class: ethernetEquipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: ethernetPortInternalAlarm (1415)	Unspecified
Description: The alarm is raised when an Ethernet port experiences excessive internal MAC tx errors. It is generated only when downOnInternalError is enabled on the port.		
Remedial action: This alarm indicates that the port (card) in question is likely faulty. Please replace the card with a card known to be functional.		

Table 35-174 EthernetTunnelDown

Alarm	Attributes	Applicable major NE releases
Name: EthernetTunnelDown (771) Type: configurationAlarm (11) Package: ethernetTunnel Raised on class: ethernetTunnel.EthernetTunnel	Severity: major Implicitly cleared: true Default probable cause: ethernetTunnelDown (547)	Unspecified
Description: The alarm is raised when the aggregated Ethernet tunnel Operational State is Down.		
Raising condition: (('aggrEndPtOperationalState' EQUAL 'Down'))		
Clearing condition: (('aggrEndPtOperationalState' NOT EQUAL 'Down'))		
Remedial action: Fix the error indicated in the alarm, e.g. port down, MEP down...		

Table 35-175 ExcessiveEnvironmentTemperature (equipment)

Alarm	Attributes	Applicable major NE releases
Name: ExcessiveEnvironmentTemperature (1118) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Port	Severity: variable Implicitly cleared: true Default probable cause: excessiveEnvironmentTemp (830)	Unspecified
Description: The alarm is raised when MPT is overheated.		
Remedial action: Please refer 9500 Node Maintenance manual for remedial action information.		

Table 35-176 ExcessiveEnvironmentTemperature (mpr)

Alarm	Attributes	Applicable major NE releases
Name: ExcessiveEnvironmentTemperature (1118) Type: communicationsAlarm (4) Package: mpr Raised on class: mpr.SubRackElements	Severity: variable Implicitly cleared: true Default probable cause: excessiveEnvironmentTemp (830)	Unspecified
Description: The alarm is raised when MPT is overheated.		
Remedial action: Please refer 9500 Node Maintenance manual for remedial action information.		

Table 35-177 ExportPolicyNotFound

Alarm	Attributes	Applicable major NE releases
Name: ExportPolicyNotFound (231) Type: configurationAlarm (11) Package: I3fwd Raised on class: I3fwd.ServiceSiteExportPolicy	Severity: major Implicitly cleared: true Default probable cause: exportPolicyDoesNotExist (179)	Unspecified
Description: The alarm is raised when a VRF export policy for a VPRN cannot be found. The alarm information includes the policy ID. Note: starting from SAM 12.0 R1, SAM no longer raise this alarm since it is not much useful but has performance issue.		
Remedial action: A configuration error has occurred which must be corrected. The VRP export policy must be created and distributed to the NE reporting the problem. Note: starting from SAM 12.0 R1, SAM no longer raises this alarm.		

Table 35-178 FanCommunicationProblem

Alarm	Attributes	Applicable major NE releases
Name: FanCommunicationProblem (5424) Type: communicationsAlarm (4) Package: mpr Raised on class: mpr.SubRackElements	Severity: variable Implicitly cleared: true Default probable cause: fanCommunicationProblem (2127)	Unspecified
Description: The alarm is raised when a communication problem with fan is detected.		
Remedial action: The alarm is raised when FAN communication Problem is detected on the subrack. Refer 9500 Node Maintenance manual for remedial action information		

Table 35-179 FanRPMAAlarm

Alarm	Attributes	Applicable major NE releases
Name: FanRPMAAlarm (1126) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Fan	Severity: variable Implicitly cleared: false Default probable cause: fanFailure (116)	Unspecified
Description: The alarm is raised when a fan alarm usage state is other than Normal.		
Remedial action: The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 35-180 FIBHighOccupancy

Alarm	Attributes	Applicable major NE releases
Name: FIBHighOccupancy (752) Type: resourceAlarm (28) Package: equipment Raised on class: equipment.BaseCard	Severity: warning Implicitly cleared: true Default probable cause: FIBHighOccupancy (528)	Unspecified
Description: The alarm is raised when the FIB occupancy on an IOM card changes from normal to high.		
Remedial action: Informational - no corrective action required.		

Table 35-181 FibOutOfSynch

Alarm	Attributes	Applicable major NE releases
Name: FibOutOfSynch (625) Type: resourceAlarm (28) Package: equipment Raised on class: equipment.DaughterCard	Severity: critical Implicitly cleared: true Default probable cause: fibUpdateFailed (464)	Unspecified
Description: The alarm is raised when the FIB on an MDA is out of synchronization.		
Remedial action: Informational - no corrective action required.		

Table 35-182 FilterApplyPathProblem

Alarm	Attributes	Applicable major NE releases
Name: FilterApplyPathProblem (4904) Type: configurationAlarm (11) Package: filterprefixlist Raised on class: filterprefixlist.PrefixListApplyPathMember	Severity: minor Implicitly cleared: false Default probable cause: tFilterApplyPathProblem (1960)	Unspecified
Description: The alarm is raised when a problem is encountered for a configured IP PrefixList apply-path rule.		
Remedial action: Clear the alarm and verify the prefix-list configurations which might have reached the maximum limit. Try reducing the prefix-list/ apply-path members.		

Table 35-183 FilterEmbeddingOperStateChange

Alarm	Attributes	Applicable major NE releases
Name: FilterEmbeddingOperStateChange (4973) Type: configurationAlarm (11) Package: acfilter Raised on class: acfilter.FilterEmbeddedRefTable	Severity: minor Implicitly cleared: false Default probable cause: tFilterEmbeddingOperStateChange (2030)	Unspecified
Description: The alarm is raised when the embedding oper state change is other than in-service.		
Remedial action: The alarm is raised when the embedded filter operstate is other than inService. Remove and reapply the embedding to make operstate as inService.		

Table 35-184 FirmwareDownloadOnGoing (equipment)

Alarm	Attributes	Applicable major NE releases
Name: FirmwareDownloadOnGoing (626) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: variable Implicitly cleared: true Default probable cause: firmwareDownloadOnGoing (465)	Unspecified
Description: The alarm is raised when a firmware download is in progress.		
Remedial action: Informational - Firmware for the equipment is downloading.		

Table 35-185 FirmwareDownloadOnGoing (mpr)

Alarm	Attributes	Applicable major NE releases
Name: FirmwareDownloadOnGoing (626) Type: equipmentAlarm (3) Package: mpr Raised on class: mpr.SubRackElements	Severity: variable Implicitly cleared: true Default probable cause: firmwareDownloadOnGoing (465)	Unspecified
Description: The alarm is raised when a firmware download is in progress.		
Remedial action: Informational - Firmware for the equipment is downloading.		

Table 35-186 FirmwareMismatchAlarm

Alarm	Attributes	Applicable major NE releases
Name: FirmwareMismatchAlarm (146) Type: firmwareAlarm (26) Package: equipment Raised on class: equipment.Card	Severity: critical Implicitly cleared: true Default probable cause: bootRomVersionMismatch (119) Applicable probable causes: <ul style="list-style-type: none"> bootRomVersionMismatch fpgaVersionMismatch 	Unspecified
Description: The alarm is raised when a device detects a mismatch between the firmware version and the device software image. The alarm information includes the expected firmware version.		
Remedial action: Either the firmware or the device SW must be upgraded to compatible versions. The image (firmware or device SW) which is the oldest should be upgraded. Firmware must be upgraded using the NE's CLI. 5620 SAM can be used to upgrade the SW image on the device.		

Table 35-187 FirmwareUpgradeAlarm

Alarm	Attributes	Applicable major NE releases
Name: FirmwareUpgradeAlarm (212) Type: firmwareAlarm (26) Package: equipment Raised on class: equipment.Card	Severity: info Implicitly cleared: false Default probable cause: firmwareUpgraded (169)	Unspecified
Description: The alarm is raised when a device automatically upgrades the firmware of a hot-inserted IOM or CPM.		
Remedial action: Informational - no corrective action required.		

Table 35-188 firstExpirationThresholdCrossed

Alarm	Attributes	Applicable major NE releases
Name: firstExpirationThresholdCrossed (2907) Type: configurationAlarm (11) Package: ranlicense Raised on class: ranlicense.RANLicense	Severity: minor Implicitly cleared: true Default probable cause: ageingLicense (1113)	Unspecified
Description: The alarm is raised when the specified First Expiration Threshold for RAN licensing is crossed.		
Remedial action: Ask for a new LKDI license file with a further expiration date.		

35 – Unspecified NE alarms

Table 35-189 firstUsageThresholdCrossed

Alarm	Attributes	Applicable major NE releases
Name: firstUsageThresholdCrossed (2908) Type: configurationAlarm (11) Package: ranlicense Raised on class: ranlicense.RANLicense	Severity: minor Implicitly cleared: true Default probable cause: insufficientPurchasedLicenses (1114)	Unspecified
Description: The alarm is raised when the specified First Usage Threshold for RAN licensing is crossed.		
Remedial action: Ask for a new LKDI license file with more tokens.		

Table 35-190 FlowRouteInvalid

Alarm	Attributes	Applicable major NE releases
Name: FlowRouteInvalid (2932) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.Peer	Severity: minor Implicitly cleared: false Default probable cause: flowRouteInvalid (1126)	Unspecified
Description: The alarm is raised when the received BGP flow route is invalid. The BGP peer dose not create ip filter entry for the received flow route.		
Remedial action: The NE has received an invalid flow route from a 3rd party appliance which is monitoring the network for suspect traffic. This could be the result of corruption or a SW error on the 3rd party appliance. Please refer to the documentation supplied with appliance for assistance.		

Table 35-191 FlowspecUnsupportdComAction

Alarm	Attributes	Applicable major NE releases
Name: FlowspecUnsupportdComAction (2933) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.Site	Severity: minor Implicitly cleared: false Default probable cause: unsupportdComAction (1127)	Unspecified
Description: The alarm is raised when the best route for a FlowSpec NLRI is received from a remote BGP peer with an extended community action that is unsupported.		
Remedial action: Informational - no corrective action required.		

Table 35-192 ForceQTagForwardingMisconfiguration (epipe)

Alarm	Attributes	Applicable major NE releases
Name: ForceQTagForwardingMisconfiguration (813) Type: configurationAlarm (11) Package: epipe Raised on class: epipe.Epipe	Severity: warning Implicitly cleared: true Default probable cause: forceQTagForwardingInconsistent (576)	Unspecified
Description: The alarm is raised when two I-sites in a service use different Force Q Tag Forwarding values.		
Raising condition: ('operationalFlags'anyBit'Force Q Tag Forwarding Inconsistent')		
Clearing condition: NOT (('operationalFlags'anyBit'Force Q Tag Forwarding Inconsistent'))		
Remedial action: Check configuration so that I-sites in the service use same Force Q-Tag Forwarding values.		

Table 35-193 ForceQTagForwardingMisconfiguration (vppls)

Alarm	Attributes	Applicable major NE releases
Name: ForceQTagForwardingMisconfiguration (813) Type: configurationAlarm (11) Package: vppls Raised on class: vppls.AbstractVpls	Severity: warning Implicitly cleared: true Default probable cause: forceQTagForwardingInconsistent (576)	Unspecified
Description: The alarm is raised when two I-sites in a service use different Force Q Tag Forwarding values.		
Raising condition: ('operationalFlags'anyBit'Force Q Tag Forwarding Inconsistent')		
Clearing condition: NOT (('operationalFlags'anyBit'Force Q Tag Forwarding Inconsistent'))		
Remedial action: Check configuration so that I-sites in the service use same Force Q-Tag Forwarding values.		

Table 35-194 GenericInterfaceLinkDown

Alarm	Attributes	Applicable major NE releases
Name: GenericInterfaceLinkDown (403) Type: equipmentAlarm (3) Package: genericne Raised on class: genericne.GenericNeInterface	Severity: major Implicitly cleared: true Default probable cause: inoperableEquipment (8)	Unspecified
Description: The alarm is raised when the 5620 SAM detects a communication link failure on a GNE interface. The alarm clears when the link returns to service.		
Raising condition: ('Operational State' EQUAL 'Down')		
Clearing condition: ('Operational State' EQUAL 'Up')		
Remedial action: The Operational State of the generic NE interface is down. The physical port (near end or far end) may have failed - this can be remedied by replacing the interface card in question. The physical links may have been turned down administratively - re-enable the links. A cable failure or disconnect may have occurred - please ensure that the cables are properly connected to the physical port and and that the cable has not been damaged.		

35 – Unspecified NE alarms

Table 35-195 GlobalAppProfileCreated

Alarm	Attributes	Applicable major NE releases
Name: GlobalAppProfileCreated (2931) Type: ConfigurationAlarm (15) Package: aapolicy Raised on class: aapolicy.ApplicationProfile	Severity: warning Implicitly cleared: true Default probable cause: globalAppProfileMissing (1125)	Unspecified
Description: The alarm is raised when a global application profile to which a global transit ip policy is referenced does not exist. The alarm notifies the user that a global application profile has been created.		
Remedial action: Informational. A global Application Profile has been created; this object is referenced by a Transit IP Policy or Transit Prefix Policy.		

Table 35-196 globalLicenseViolation

Alarm	Attributes	Applicable major NE releases
Name: globalLicenseViolation (2909) Type: configurationAlarm (11) Package: ranlicense Raised on class: ranlicense.RANLicenseManager	Severity: critical Implicitly cleared: true Default probable cause: atLeastOneLicenseInViolation (1115)	Unspecified
Description: The alarm is raised when at least one RAN license is in violation.		
Remedial action: Provide a new LKDI license file with a further expiration date and/or more tokens.		

Table 35-197 GneCommunicationAlarm

Alarm	Attributes	Applicable major NE releases
Name: GneCommunicationAlarm (783) Type: CommunicationAlarm (64) Package: netw Raised on class: netw.NetworkElement	Severity: variable Implicitly cleared: false Default probable cause: User_Defined (558)	Unspecified
Description: This user-definable alarm is raised against a generic NE when the 5620 SAM receives a trap from the generic NE that is mapped to the alarm in a generic NE alarm catalogue. The alarm mapping defines the Probable cause, Severity, and Implicitly cleared values, and optionally contains an extension that is appended to the Name value.		
Remedial action: This alarm is mapped from a GNE trap. Remedial action depends on the specific equipment and trap definition.		

Table 35-198 GneEnvironmentalAlarm

Alarm	Attributes	Applicable major NE releases
Name: GneEnvironmentalAlarm (784) Type: EnvironmentalAlarm (65) Package: netw Raised on class: netw.NetworkElement	Severity: variable Implicitly cleared: false Default probable cause: User_Defined (558)	Unspecified
Description: This user-definable alarm is raised against a generic NE when the 5620 SAM receives a trap from the generic NE that is mapped to the alarm in a generic NE alarm catalogue. The alarm mapping defines the Probable cause, Severity, and Implicitly cleared values, and optionally contains an extension that is appended to the Name value.		
Remedial action: This alarm is mapped from a GNE trap. Remedial action depends on the specific equipment and trap definition.		

Table 35-199 GneEquipmentAlarm

Alarm	Attributes	Applicable major NE releases
Name: GneEquipmentAlarm (785) Type: EquipmentAlarm (66) Package: netw Raised on class: netw.NetworkElement	Severity: variable Implicitly cleared: false Default probable cause: User_Defined (558)	Unspecified
Description: This user-definable alarm is raised against a generic NE when the 5620 SAM receives a trap from the generic NE that is mapped to the alarm in a generic NE alarm catalogue. The alarm mapping defines the Probable cause, Severity, and Implicitly cleared values, and optionally contains an extension that is appended to the Name value.		
Remedial action: This alarm is mapped from a GNE trap. Remedial action depends on the specific equipment and trap definition.		

Table 35-200 GneMTIEAlarm (genericne)

Alarm	Attributes	Applicable major NE releases
Name: GneMTIEAlarm (3633) Type: EquipmentAlarm (66) Package: genericne Raised on class: genericne.GenericNeInterface	Severity: variable Implicitly cleared: false Default probable cause: User_Defined (558)	Unspecified
Description: This user-definable alarm is raised against a generic NE when the 5620 SAM receives a trap from the generic NE that is mapped to the alarm in a generic NE alarm catalogue. The alarm mapping defines the Probable cause, Severity, and Implicitly cleared values, and optionally contains an extension that is appended to the Name value.		
Remedial action: This alarm is mapped from a GNE trap. Remedial action depends on the specific equipment and trap definition.		

Table 35-201 GneMTIEAlarm (netw)

Alarm	Attributes	Applicable major NE releases
Name: GneMTIEAlarm (3633) Type: EquipmentAlarm (66) Package: netw Raised on class: netw.NetworkElement	Severity: variable Implicitly cleared: false Default probable cause: User_Defined (558)	Unspecified
Description: This user-definable alarm is raised against a generic NE when the 5620 SAM receives a trap from the generic NE that is mapped to the alarm in a generic NE alarm catalogue. The alarm mapping defines the Probable cause, Severity, and Implicitly cleared values, and optionally contains an extension that is appended to the Name value.		
Remedial action: This alarm is mapped from a GNE trap. Remedial action depends on the specific equipment and trap definition.		

Table 35-202 GneProcessingErrorAlarm

Alarm	Attributes	Applicable major NE releases
Name: GneProcessingErrorAlarm (786) Type: ProcessingErrorAlarm (67) Package: netw Raised on class: netw.NetworkElement	Severity: variable Implicitly cleared: false Default probable cause: User_Defined (558)	Unspecified
Description: This user-definable alarm is raised against a generic NE when the 5620 SAM receives a trap from the generic NE that is mapped to the alarm in a generic NE alarm catalogue. The alarm mapping defines the Probable cause, Severity, and Implicitly cleared values, and optionally contains an extension that is appended to the Name value.		
Remedial action: This alarm is mapped from a GNE trap. Remedial action depends on the specific equipment and trap definition.		

Table 35-203 GneQualityOfServiceAlarm

Alarm	Attributes	Applicable major NE releases
Name: GneQualityOfServiceAlarm (787) Type: QualityOfServiceAlarm (68) Package: netw Raised on class: netw.NetworkElement	Severity: variable Implicitly cleared: false Default probable cause: User_Defined (558)	Unspecified
Description: This user-definable alarm is raised against a generic NE when the 5620 SAM receives a trap from the generic NE that is mapped to the alarm in a generic NE alarm catalogue. The alarm mapping defines the Probable cause, Severity, and Implicitly cleared values, and optionally contains an extension that is appended to the Name value.		
Remedial action: This alarm is mapped from a GNE trap. Remedial action depends on the specific equipment and trap definition.		

Table 35-204 GneServiceAlarm

Alarm	Attributes	Applicable major NE releases
Name: GneServiceAlarm (788) Type: ServiceAlarm (69) Package: netw Raised on class: netw.NetworkElement	Severity: variable Implicitly cleared: false Default probable cause: User_Defined (558)	Unspecified
Description: This user-definable alarm is raised against a generic NE when the 5620 SAM receives a trap from the generic NE that is mapped to the alarm in a generic NE alarm catalogue. The alarm mapping defines the Probable cause, Severity, and Implicitly cleared values, and optionally contains an extension that is appended to the Name value.		
Remedial action: This alarm is mapped from a GNE trap. Remedial action depends on the specific equipment and trap definition.		

Table 35-205 GneSystemAlarm

Alarm	Attributes	Applicable major NE releases
Name: GneSystemAlarm (789) Type: SystemAlarm (70) Package: netw Raised on class: netw.NetworkElement	Severity: variable Implicitly cleared: false Default probable cause: User_Defined (558)	Unspecified
Description: This user-definable alarm is raised against a generic NE when the 5620 SAM receives a trap from the generic NE that is mapped to the alarm in a generic NE alarm catalogue. The alarm mapping defines the Probable cause, Severity, and Implicitly cleared values, and optionally contains an extension that is appended to the Name value.		
Remedial action: This alarm is mapped from a GNE trap. Remedial action depends on the specific equipment and trap definition.		

Table 35-206 GneTransportAlarm

Alarm	Attributes	Applicable major NE releases
Name: GneTransportAlarm (790) Type: TransportAlarm (71) Package: netw Raised on class: netw.NetworkElement	Severity: variable Implicitly cleared: false Default probable cause: User_Defined (558)	Unspecified
Description: This user-definable alarm is raised against a generic NE when the 5620 SAM receives a trap from the generic NE that is mapped to the alarm in a generic NE alarm catalogue. The alarm mapping defines the Probable cause, Severity, and Implicitly cleared values, and optionally contains an extension that is appended to the Name value.		
Remedial action: This alarm is mapped from a GNE trap. Remedial action depends on the specific equipment and trap definition.		

Table 35-207 GponPortInBandAlarm

Alarm	Attributes	Applicable major NE releases
Name: GponPortInBandAlarm (3697) Type: gponInBandSignallingAlarm (106) Package: equipment Raised on class: equipment.GponPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: InBandSignallingNotEstablishedBetweenSARAndONT (1435)	Unspecified
Description: The alarm is raised when in-band signaling between the ONT and SAR for GPON statistics collection is not established after 30 seconds of GPON port uptime.		
Remedial action: Informational - Reachability between SAR and ONT devices has to be checked.		

Table 35-208 GponPortInBandAlarmClear

Alarm	Attributes	Applicable major NE releases
Name: GponPortInBandAlarmClear (3698) Type: gponInBandSignallingAlarm (106) Package: equipment Raised on class: equipment.GponPortSpecifics	Severity: cleared Implicitly cleared: true Default probable cause: InBandSignallingEstablishedBetweenSARAndONT (1436)	Unspecified
Description: The alarm is raised when in-band signaling between the ONT and SAR for GPON statistics collection is established.		
Remedial action: Informational - no corrective action required.		

Table 35-209 GroupInSSMRRange

Alarm	Attributes	Applicable major NE releases
Name: GroupInSSMRRange (187) Type: configurationAlarm (11) Package: pim Raised on class: pim.Site	Severity: warning Implicitly cleared: false Default probable cause: STARGGroupInSSMRRange (147)	Unspecified
Description: The alarm is raised when an NE receives a PIM register, PIM (*,G) assert, PIM (*,G) join/prune, or an IGMP local membership message for a group defined in the SSM address range.		
Remedial action: Informational - no corrective action required		

Table 35-210 GwAcrFailuresAlarmMajor

Alarm	Attributes	Applicable major NE releases
Name: GwAcrFailuresAlarmMajor (2955) Type: communicationsAlarm (4) Package: lte Raised on class: lte.AgWrfPeer	Severity: major Implicitly cleared: false Default probable cause: connectionDown (2)	Unspecified
Description: A tmnxMobGwAcrFailuresAlarmMajor is generated when 2 ACR transmission failures occur in a 10 second interval or 5 ACR transmission failures occur in a 60 second interval to the peer.		
Remedial action: Informational - a threshold for Anonymous Communication Rejection transmission failures has been exceeded. If the condition persists please contact Alcatel-Lucent support for assistance.		

Table 35-211 GwCdfDownAlarm

Alarm	Attributes	Applicable major NE releases
Name: GwCdfDownAlarm (2956) Type: communicationsAlarm (4) Package: lte Raised on class: lte.RfReferencePoint	Severity: minor Implicitly cleared: false Default probable cause: connectionDown (2)	Unspecified
Description: A tmnxMobGwCdfDownAlarm notification is generated when both the primary and the secondary Charging Data Functions (CDFs) are down for active Rf diameter sessions		
Remedial action: The Charging Data Functions (primary and secondary) are down for a Rf reference point. The CDF function appears down for one of the following reasons: the underlying IP or physical interface is down, the far end diameter peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end diameter peer is operational and check that the underlying transport network is up.		

Table 35-212 GwCfCapacityAlarmMajor

Alarm	Attributes	Applicable major NE releases
Name: GwCfCapacityAlarmMajor (2957) Type: equipmentAlarm (3) Package: lte Raised on class: lte.AGWReferencePoint	Severity: major Implicitly cleared: false Default probable cause: resourceFull (53)	Unspecified
Description: A tmnxMobGwCfCapacityAlarmMajor notification is generated when compact flash capacity reaches 95% limit.		
Remedial action: The compact flash device of the MGW is approaching capacity. The contents of the device must be analysed to identify redundant content which can be deleted.		

Table 35-213 GwCfCapacityAlarmMinor

Alarm	Attributes	Applicable major NE releases
Name: GwCfCapacityAlarmMinor (2958) Type: equipmentAlarm (3) Package: lte Raised on class: lte.AGWReferencePoint	Severity: minor Implicitly cleared: false Default probable cause: resourceFull (53)	Unspecified
Description: A tmnxMobGwCfCapacityAlarmMinor notification is generated when compact flash capacity reaches 85% limit		
Remedial action: The compact flash device of the MGW is approaching capacity. The contents of the device must be analysed to identify redundant content which can be deleted.		

Table 35-214 GwDdnThrottlingStart

Alarm	Attributes	Applicable major NE releases
Name: GwDdnThrottlingStart (4630) Type: communicationsAlarm (4) Package: lte Raised on class: lte.SigAGWGTPPMIPPeer	Severity: warning Implicitly cleared: false Default probable cause: downLinkThrottling (1897)	Unspecified
Description: A GwDdnThrottlingStart notification is generated when the serving gateway (SGW) starts throttling the Downlink Data Notification (DDN) for the low priority traffic towards a peer node (SGSN/MME).		
Remedial action: The serving gateway (SGW) starts throttling the Downlink Data Notification (DDN) for the low priority traffic towards a peer node (SGSN/MME). When the throttling duration is passed, the SGW will stop throttling the DDN.		

Table 35-215 GwDdnThrottlingStop

Alarm	Attributes	Applicable major NE releases
Name: GwDdnThrottlingStop (4631) Type: communicationsAlarm (4) Package: lte Raised on class: lte.SigAGWGTPPMIPPeer	Severity: warning Implicitly cleared: false Default probable cause: downLinkThrottling (1897)	Unspecified
Description: A GwDdnThrottlingStop notification is generated when the serving gateway (SGW) stops throttling the Downlink Data Notification (DDN) for the low priority traffic towards a peer node (SGSN/MME).		
Remedial action: The serving gateway (SGW) stops throttling the Downlink Data Notification (DDN) for the low priority traffic towards a peer node (SGSN/MME). When another throttling instruction is received from a peer node, the SGW will start throttling the DDN.		

Table 35-216 GwGtpPriSrvGrpStateChange

Alarm	Attributes	Applicable major NE releases
Name: GwGtpPriSrvGrpStateChange (3635) Type: EpcAlarm (59) Package: Ite Raised on class: Ite.EPCGateway	Severity: major Implicitly cleared: true Default probable cause: GwGtpPriSrvGrpDown (1419)	Unspecified
Description: An alarm is raised when there has been a change in GPRS Tunneling Protocol (GTP) Prime Server state for all mobile system groups.		
Remedial action: If a GTP Prime server group state is down, CDR packets will be written to CDR files until at least one server becomes available.		

Table 35-217 GwPoolCapacityAlarmMajor

Alarm	Attributes	Applicable major NE releases
Name: GwPoolCapacityAlarmMajor (5190) Type: EpcAlarm (59) Package: Ite Raised on class: Ite.IpPool	Severity: major Implicitly cleared: true Default probable cause: Threshold (2104)	Unspecified
Description: A tmnxMobGwPoolCapacityAlarmMajor notification is generated when either the IPv4 or IPv6 address pool usage reaches 95% of the pool size.		
Remedial action: The IPv4 or IPv6 address pool usage reached 95% of the pool size. Need to look at increasing the address pool size.		

Table 35-218 GwPoolCapacityAlarmMinor

Alarm	Attributes	Applicable major NE releases
Name: GwPoolCapacityAlarmMinor (5191) Type: EpcAlarm (59) Package: Ite Raised on class: Ite.IpPool	Severity: minor Implicitly cleared: true Default probable cause: Threshold (2104)	Unspecified
Description: A tmnxMobGwPoolCapacityAlarmMinor notification is generated when either the IPv4 or IPv6 address pool usage reaches 85% of the pool size.		
Remedial action: Informational: The IPv4 or IPv6 address pool usage reached 85% of the pool size. Need to closely monitor the usage.		

35 – Unspecified NE alarms

Table 35-219 GwRadGroupFail

Alarm	Attributes	Applicable major NE releases
Name: GwRadGroupFail (3636) Type: EpcAlarm (59) Package: Ite Raised on class: Ite.EPCGateway	Severity: major Implicitly cleared: false Default probable cause: EPSGroupDown (1420)	Unspecified
Description: A tmnxMobGwRadGrpFailAlarm notification is generated when all the radius servers have failed in the radius server group.		
Remedial action: The Radius server(s) which are configured in the Radius Server are unreachable. This problem may occur in a number of different scenarios. The server(s) may have become unresponsive - please refer to the Radius server documentation for assistance. The network connectivity to the server(s) may have been lost - please investigate why the underlying transport network is unreliable.		

Table 35-220 GwRadPeerFail

Alarm	Attributes	Applicable major NE releases
Name: GwRadPeerFail (3682) Type: EpcAlarm (59) Package: Iteradius Raised on class: Iteradius.PdnRadiusPeer	Severity: major Implicitly cleared: false Default probable cause: EPSPeerDown (602)	Unspecified
Description: The alarm is raised when the 5620 SAM receives a tmnxMobGwRadPeerFailAlarm notification in response to a RADIUS server failure.		
Remedial action: A Radius peer is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

Table 35-221 HardwareBootFailure

Alarm	Attributes	Applicable major NE releases
Name: HardwareBootFailure (108) Type: softwareAlarm (19) Package: sw Raised on class: sw.CardSoftware	Severity: critical Implicitly cleared: true Default probable cause: softwareBootProblemDueToHardwareIssues (92)	Unspecified
Description: The alarm is raised when an NE fails to boot because of a hardware problem.		
Remedial action: Please contact Alcatel-Lucent support for assistance.		

Table 35-222 HardwareRedundancyAlarm

Alarm	Attributes	Applicable major NE releases
Name: HardwareRedundancyAlarm (147) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.ControlProcessor	Severity: major Implicitly cleared: true Default probable cause: primaryCpmFailure (121)	Unspecified
Description: The alarm is raised when the primary CPM fails.		
Remedial action: The CPM card in the chassis may have suffered a failure. Remove and reset the card in question. If this does not resolve the problem replace the card.		

Table 35-223 HashLabelMismatch (svt)

Alarm	Attributes	Applicable major NE releases
Name: HashLabelMismatch (1113) Type: configurationAlarm (11) Package: svt Raised on class: svt.SdpBinding	Severity: warning Implicitly cleared: true Default probable cause: hashLabelMismatch (826)	Unspecified
Description: The alarm is raised when an SDP binding hash label is enabled and the return SDP binding hash label is disabled. If this misconfiguration causes the mismatch of the operational hash label on both sides, the receiving site will drop the data packets as a result. This alarm is cleared when the hash label is either enabled or disabled on both sides.		
Remedial action: The hash label must be enabled or disabled on both ends of the SDP		

Table 35-224 HashLabelMismatch (vprn)

Alarm	Attributes	Applicable major NE releases
Name: HashLabelMismatch (1113) Type: configurationAlarm (11) Package: vprn Raised on class: vprn.Vprn	Severity: warning Implicitly cleared: true Default probable cause: hashLabelMismatch (826)	Unspecified
Description: The alarm is raised when the hash label is enabled on a VPRN site and disabled on another site in the service.		
Remedial action: A configuration error has occurred which must be corrected. The hash label must be enabled or disabled on both ends of the SDP		

Table 35-225 HashLabelSignalCapabilityMismatch

Alarm	Attributes	Applicable major NE releases
Name: HashLabelSignalCapabilityMismatch (3327) Type: configurationAlarm (11) Package: svt Raised on class: svt.SdpBinding	Severity: warning Implicitly cleared: true Default probable cause: hashLabelSignalCapabilityMismatch (1163)	Unspecified
Description: The alarm is raised when an SDP binding hash label signal capability is enabled and the return SDP binding hash label signal capability is disabled or not supported. If this misconfiguration causes the mismatch of the operational hash label on both sides, the receiving site will drop the data packets as a result. This alarm is cleared when the hash label signal capability is either enabled or disabled on both sides.		
Remedial action: The hash label signal capability must be enabled or disabled on both ends of the SDP		

Table 35-226 HighBER (mwa)

Alarm	Attributes	Applicable major NE releases
Name: HighBER (682) Type: communicationsAlarm (4) Package: mwa Raised on class: mwa.PortTermination	Severity: variable Implicitly cleared: true Default probable cause: HighBER (1909)	Unspecified
Description: The alarm is raised when a MPT detects a high BER.		
Remedial action: Please refer to either 9500 or 7705 Node Maintenance manual for remedial action information.		

Table 35-227 HighBER (radioequipment)

Alarm	Attributes	Applicable major NE releases
Name: HighBER (682) Type: communicationsAlarm (4) Package: radioequipment Raised on class: radioequipment.RadioPortSpecifics	Severity: variable Implicitly cleared: true Default probable cause: highBER (497)	Unspecified
Description: The alarm is raised when an MSS detects a high BER.		
Remedial action: The alarm is raised when an MSS detects a high BER.		

Table 35-228 HighLevelRoutesReached

Alarm	Attributes	Applicable major NE releases
Name: HighLevelRoutesReached (1197) Type: ProtocolAlarm (1) Package: I3fwd Raised on class: I3fwd.ServiceSite	Severity: minor Implicitly cleared: true Default probable cause: HighLevelRoutesReached (897)	Unspecified
Description: The alarm is raised when the number of routes in a VPRN exceeds the high threshold value. The high threshold value is a percentage of the maximum number of routes specified in the VPRN configuration. The percentage is derived by adding 100 to the threshold value in the VPRN configuration and dividing the result by 2. The alarm information includes the number of routes and this calculated high threshold value.		
Remedial action: Informational. The threshold configured should be revisited to ensure that it is not set to low given the number of routes that are being received. If the threshold is set close to the maximum number of routes supported by the NE then it is probable that there is an issue with another NE or VRF instance in the network. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 35-229 HoldTimeInconsistent

Alarm	Attributes	Applicable major NE releases
Name: HoldTimeInconsistent (810) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.Peer	Severity: major Implicitly cleared: false Default probable cause: holdTimeInconsistent (575)	Unspecified
Description: The alarm is raised when a BGP site tries to establish a peering using a hold time that is less than the configured strict hold time. The peering is rejected as a result.		
Remedial action: A configuration error has occurred which must be corrected. The hold time must be set to a value greater than the strict hold time.		

Table 35-230 HostConnectivityLostRateExceeded

Alarm	Attributes	Applicable major NE releases
Name: HostConnectivityLostRateExceeded (276) Type: communicationsAlarm (4) Package: ressubscr Raised on class: ressubscr.ShcvSite	Severity: major Implicitly cleared: false Default probable cause: hostDown (208) Applicable probable causes: <ul style="list-style-type: none"> hostDown trapDropped 	Unspecified
Description: The alarm is raised when the trapDroppedRaisesAlarm parameter is enabled and the maximum allowed number of SHCV host connectivity loss events on a SAP is exceeded. The SHCV action in response to the alarm is specified by the maxHostLostConnectivityRate parameter. If the specified action is to remove the host information, the host information is removed and the connectivity of the host is not subsequently verified.		
Remedial action: This may be a transient error condition in the network or possible congestion or could be a sign that the SHCV ping interval is too short. Verify the status of the network for those subscribers and the service SHCV configuration.		

35 – Unspecified NE alarms

Table 35-231 HostSharedFilterHighWatermarkAlarm

Alarm	Attributes	Applicable major NE releases
Name: HostSharedFilterHighWatermarkAlarm (4974) Type: configurationAlarm (11) Package: acfilter Raised on class: acfilter.FilterDefinition	Severity: warning Implicitly cleared: true Default probable cause: HostSharedFilterHighWatermarkAlarm (2031)	Unspecified
Description: The alarm is raised when the number of dynamically allocated Host Shared Filters based on the indicated filter reaches or exceeds the configured high watermark. This alarm is cleared when the number of dynamically allocated Host Shared Filters drops to or below the configured low watermark of the indicated filter.		
Remedial action: Please check the watermark configurations on the indicated filter and make an adjustment accordingly.		

Table 35-232 HouseKeeping (equipment)

Alarm	Attributes	Applicable major NE releases
Name: HouseKeeping (1165) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: variable Implicitly cleared: true Default probable cause: houseKeeping (867)	Unspecified
Description: The alarm is raised when a HouseKeeping trap is received.		
Remedial action: Please refer 9500 Node Maintenance manual for remedial action information.		

Table 35-233 HouseKeeping (mpr)

Alarm	Attributes	Applicable major NE releases
Name: HouseKeeping (1165) Type: equipmentAlarm (3) Package: mpr Raised on class: mpr.AbstractMprAux	Severity: minor Implicitly cleared: true Default probable cause: HouseKeeping (1564)	Unspecified
Description: Defect detected by an house-keeping interface on AUX card.		
Remedial action: Please refer 9500 Node Maintenance manual for remedial action information.		

Table 35-234 IgmpGrplfSapMaxGroupsLimitExceeded

Alarm	Attributes	Applicable major NE releases
Name: IgmpGrplfSapMaxGroupsLimitExceeded (3979) Type: configurationAlarm (11) Package: igmp Raised on class: igmp.GroupInterfaceSap	Severity: warning Implicitly cleared: false Default probable cause: IgmpGrplfSapMaxGroupsLimitExceeded (1556)	Unspecified
Description: This alarm is raised when an IGMP host subscribes to a new multicast group that cannot be installed because the maximum number of active groups on the IGMP group interface SAP has already been reached.		
Remedial action: Increase the value of the 'maxGroups' attribute in the parent IGMP group interface so that the number of active IGMP groups stays under the configured threshold.		

Table 35-235 IgmpGrplfSapMaxGrpSrcLimExcd

Alarm	Attributes	Applicable major NE releases
Name: IgmpGrplfSapMaxGrpSrcLimExcd (4622) Type: configurationAlarm (11) Package: igmp Raised on class: igmp.GroupInterfaceSap	Severity: warning Implicitly cleared: false Default probable cause: IgmpGrplfSapMaxGrpSrcLimExcd (1890)	Unspecified
Description: This alarm is raised when an attempt is made to configure a group source for a group when the number of group sources is equal to vRtrIgmpGrplfSapMaxGrpSources, the maximum number of group sources per group supported on the SAP.		
Remedial action: Increase the value of the 'maxGrpSources' attribute in the parent IGMP group interface so that the number of active IGMP Group sources stays under the configured threshold.		

Table 35-236 IgmpGrplfSapMaxSourcesLimitExceeded

Alarm	Attributes	Applicable major NE releases
Name: IgmpGrplfSapMaxSourcesLimitExceeded (3980) Type: configurationAlarm (11) Package: igmp Raised on class: igmp.GroupInterfaceSap	Severity: warning Implicitly cleared: false Default probable cause: IgmpGrplfSapMaxSourcesLimitExceeded (1557)	Unspecified
Description: This alarm is raised when an IGMP host subscribes to a multicast group with a source that cannot be installed because the maximum number of active sources on the IGMP group interface SAP has already been reached.		
Remedial action: Increase the value of the 'maxSources' attribute in the parent IGMP group interface so that the number of active IGMP sources stays under the configured threshold.		

Table 35-237 IgmpHostMaxGrpSrcsLimitExcd

Alarm	Attributes	Applicable major NE releases
Name: IgmpHostMaxGrpSrcsLimitExcd (4623) Type: configurationAlarm (11) Package: igmp Raised on class: igmp.GrpInterface	Severity: warning Implicitly cleared: false Default probable cause: IgmpHostMaxGrpSrcsLimitExcd (1891)	Unspecified
Description: This alarm is raised when an attempt is made to configure a source for a group when the number of group sources is equal to vRtrIgmpHostMaxGrpSources, the maximum number of group sources per group supported on the host.		
Remedial action: Increase the value of the 'maxGrpSources' attribute in the parent IGMP group interface so that the number of active IGMP Group sources stays under the configured threshold.		

Table 35-238 IgmpSnpGGrpDroppedLimitExceeded (svt)

Alarm	Attributes	Applicable major NE releases
Name: IgmpSnpGGrpDroppedLimitExceeded (392) Type: SdpBindingAlarm (30) Package: svt Raised on class: svt.SdpBindingIgmpSnpGCfg	Severity: warning Implicitly cleared: false Default probable cause: igmpSnpGGrpMaxNbrGrpsReached (292)	Unspecified
Description: The alarm is raised when an IGMP group is removed from an SDP binding because the number of allowed IGMP groups specified by sdpBndIgmpSnpGCfgMaxNbrGrps is reached.		
Remedial action: This can be remedied by increasing the maximum number of allowed IGMP groups on the SDP.		

Table 35-239 IgmpSnpGGrpDroppedLimitExceeded (vpls)

Alarm	Attributes	Applicable major NE releases
Name: IgmpSnpGGrpDroppedLimitExceeded (392) Type: AccessInterfaceAlarm (32) Package: vpls Raised on class: vpls.L2AccessInterfaceIgmpSnpGCfg	Severity: warning Implicitly cleared: false Default probable cause: igmpSnpGGrpMaxNbrGrpsReached (292)	Unspecified
Description: The alarm is raised when an IGMP group is removed from a SAP because the number of allowed IGMP groups specified by sapIgmpSnpGCfgMaxNbrGrps is reached.		
Remedial action: This can be remedied by increasing the maximum number of allowed IGMP groups on the SAP.		

Table 35-240 IgmpSnpgGrpSrcLimitExceed

Alarm	Attributes	Applicable major NE releases
Name: IgmpSnpgGrpSrcLimitExceed (4894) Type: SdpBindingAlarm (30) Package: svt Raised on class: svt.SdpBindingIgmpSnpgCfg	Severity: major Implicitly cleared: false Default probable cause: IgmpSnpgGrpSrcLimitExceed (1952)	Unspecified
Description: The alarm is raised when an IGMP group or source is dropped on a given SDP Bind because a user configurable upper limit given by sdpBndIgmpSnpgCfgMaxNbrGrpSrcs is reached		
Remedial action: This can be remedied by increasing the maximum number of allowed IGMP group sources on the SDP.		

Table 35-241 IgmpSnpgGrpSrcLimitExceeded

Alarm	Attributes	Applicable major NE releases
Name: IgmpSnpgGrpSrcLimitExceeded (4897) Type: AccessInterfaceAlarm (32) Package: vpls Raised on class: vpls.L2AccessInterfaceIgmpSnpgCfg	Severity: major Implicitly cleared: false Default probable cause: igmpSnpgGrpMaxNbrGrpSrcsReached (1954)	Unspecified
Description: The alarm is raised when an IGMP group or source is dropped on a given SAP because a user configurable upper limit given by sapIgmpSnpgCfgMaxNbrGrpSrcs is reached		
Remedial action: This can be remedied by increasing the maximum number of allowed IGMP Group sources on the SAP.		

Table 35-242 IgmpSnpgSrcDroppedLimitExceeded (svt)

Alarm	Attributes	Applicable major NE releases
Name: IgmpSnpgSrcDroppedLimitExceeded (735) Type: SdpBindingAlarm (30) Package: svt Raised on class: svt.SdpBindingIgmpSnpgCfg	Severity: warning Implicitly cleared: false Default probable cause: igmpSnpgGrpMaxNbrSrcsReached (512)	Unspecified
Description: The alarm is raised when an IGMP source is removed from an SDP binding because the number of allowed IGMP sources specified by sdpBndIgmpSnpgCfgMaxNbrSrcs is reached.		
Remedial action: This can be remedied by increasing the maximum number of allowed IGMP sources on the SDP.		

Table 35-243 IgmpSnpgSrcDroppedLimitExceeded (vpls)

Alarm	Attributes	Applicable major NE releases
Name: IgmpSnpgSrcDroppedLimitExceeded (735) Type: AccessInterfaceAlarm (32) Package: vpls Raised on class: vpls.L2AccessInterfaceIgmpSnpgCfg	Severity: warning Implicitly cleared: false Default probable cause: igmpSnpgGrpMaxNbrSrcsReached (512)	Unspecified
Description: The alarm is raised when an IGMP source is removed from a SAP because the number of allowed IGMP sources specified by sapIgmpSnpgCfgMaxNbrGrps is reached.		
Remedial action: This can be remedied by increasing the maximum number of allowed IGMP sources on the SAP.		

Table 35-244 ignoreUnknownImportedLicenses

Alarm	Attributes	Applicable major NE releases
Name: ignoreUnknownImportedLicenses (2910) Type: configurationAlarm (11) Package: ranlicense Raised on class: ranlicense.RANLicenseManager	Severity: major Implicitly cleared: true Default probable cause: licenseMappingFileNotAlignedWithImportedFile (1116)	Unspecified
Description: The alarm is raised when at least one of the imported licenses in the LKDI license file is not recognized by the 5620 SAM.		
Remedial action: Informational - Provide a LKDI license file compliant with supported licenses.		

Table 35-245 ImportPolicyNotFound

Alarm	Attributes	Applicable major NE releases
Name: ImportPolicyNotFound (232) Type: configurationAlarm (11) Package: I3fwd Raised on class: I3fwd.ServiceSiteImportPolicy	Severity: major Implicitly cleared: true Default probable cause: importPolicyDoesNotExist (180)	Unspecified
Description: The alarm is raised when a VRF import policy for a VPRN cannot be found. The alarm information includes the policy ID. Note: starting from SAM 12.0 R1, SAM no longer raise this alarm since it is not much useful but has performance issue.		
Remedial action: A configuration error has occurred which must be corrected. The VRP import policy must be created and distributed to the NE reporting the problem. Note: starting from SAM 12.0 R1, SAM no longer raises this alarm.		

Table 35-246 IncompatibleCapacity

Alarm	Attributes	Applicable major NE releases
Name: IncompatibleCapacity (1166) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Equipment	Severity: variable Implicitly cleared: true Default probable cause: incompatibleCapacity (868)	Unspecified
Description: The alarm is raised when there is a radio capacity incompatibility.		
Remedial action: Please refer 9500 Node Maintenance manual for remedial action information.		

Table 35-247 IncompatibleChannelSpacing (equipment)

Alarm	Attributes	Applicable major NE releases
Name: IncompatibleChannelSpacing (1167) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Equipment	Severity: variable Implicitly cleared: true Default probable cause: incompatibleChannelSpacing (869)	Unspecified
Description: The alarm is raised when there is a channel spacing incompatibility.		
Remedial action: Please refer 9500 Node Maintenance manual for remedial action information.		

Table 35-248 IncompatibleChannelSpacing (radioequipment)

Alarm	Attributes	Applicable major NE releases
Name: IncompatibleChannelSpacing (1167) Type: communicationsAlarm (4) Package: radioequipment Raised on class: radioequipment.RadioPortSpecifics	Severity: variable Implicitly cleared: true Default probable cause: incompatibleChannelSpacing (869)	Unspecified
Description: The alarm is raised when a incompatibility of channel spacing value defect raise.		
Remedial action: The alarm is raised when a incompatibility of channel spacing value defect raise.		

Table 35-249 IncompatibleFrequency (mwa)

Alarm	Attributes	Applicable major NE releases
Name: IncompatibleFrequency (683) Type: communicationsAlarm (4) Package: mwa Raised on class: mwa.PortTermination	Severity: variable Implicitly cleared: true Default probable cause: IncompatibleFrequency (1910)	Unspecified

(1 of 2)

35 – Unspecified NE alarms

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when a provisioned MPT frequency is incompatible with the MPT hardware.		
Remedial action: Please refer to either 9500 or 7705 Node Maintenance manual for remedial action information.		

(2 of 2)

Table 35-250 IncompatibleFrequency (radioequipment)

Alarm	Attributes	Applicable major NE releases
Name: IncompatibleFrequency (683) Type: communicationsAlarm (4) Package: radioequipment Raised on class: radioequipment.RadioPortSpecifics	Severity: variable Implicitly cleared: true Default probable cause: incompatibleFrequency (498)	Unspecified
Description: The alarm is raised when a provisioned MSS frequency is incompatible with the MSS hardware.		
Remedial action: Please refer 9500 Node Maintenance manual for remedial action information.		

Table 35-251 IncompatibleModulation

Alarm	Attributes	Applicable major NE releases
Name: IncompatibleModulation (4417) Type: communicationsAlarm (4) Package: radioequipment Raised on class: radioequipment.RadioPortSpecifics	Severity: variable Implicitly cleared: true Default probable cause: incompatibleModulation (850)	Unspecified
Description: The alarm is raised when an incompatibility of the modulation value defect raise.		
Remedial action: The alarm is raised when an incompatibility of the modulation value defect raise.		

Table 35-252 IncompatibleModulationParam (mwa)

Alarm	Attributes	Applicable major NE releases
Name: IncompatibleModulationParam (1144) Type: communicationsAlarm (4) Package: mwa Raised on class: mwa.PortTermination	Severity: variable Implicitly cleared: true Default probable cause: IncompatibleModulationParam (1911)	Unspecified
Description: The alarm is raised when the provisioned modulation parameters are incompatible with the MPT hardware.		
Remedial action: Please refer to either 9500 or 7705 Node Maintenance manual for remedial action information.		

Table 35-253 IncompatibleModulationParam (radioequipment)

Alarm	Attributes	Applicable major NE releases
Name: IncompatibleModulationParam (1144) Type: communicationsAlarm (4) Package: radioequipment Raised on class: radioequipment.RadioPortSpecifics	Severity: variable Implicitly cleared: true Default probable cause: incompatibleModulation (850)	Unspecified
Description: The alarm is raised when the configured modulation parameters are not supported by MPT (or) when XPIC is configured on an MPT that does not allow XPIC capability.		
Remedial action: Please refer 9500 Node Maintenance manual for remedial action information.		

Table 35-254 IncompatiblePower

Alarm	Attributes	Applicable major NE releases
Name: IncompatiblePower (3940) Type: communicationsAlarm (4) Package: radioequipment Raised on class: radioequipment.RadioPortSpecifics	Severity: variable Implicitly cleared: true Default probable cause: incompatiblePower (1522)	Unspecified
Description: The alarm is raised when a incompatibility of the power value defect raise.		
Remedial action: The alarm is raised when a incompatibility of the power value defect raise.		

Table 35-255 IncompatibleProtection (equipment)

Alarm	Attributes	Applicable major NE releases
Name: IncompatibleProtection (4824) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Port	Severity: variable Implicitly cleared: true Default probable cause: incompatibleProtection (2076)	Unspecified
Description: The alarm is raised in case of hardware incompatibility for 1+1 radio configuration i.e. MPT-HCv2 without RPS or XPIC equipped.		
Remedial action: Please refer 9500 Node Maintenance manual for remedial action information.		

Table 35-256 IncompatibleProtection (mwa)

Alarm	Attributes	Applicable major NE releases
Name: IncompatibleProtection (4824) Type: communicationsAlarm (4) Package: mwa Raised on class: mwa.PortTermination	Severity: variable Implicitly cleared: true Default probable cause: IncompatibleProtection (1912)	Unspecified
Description: The alarm is raised when a incompatible protection scheme is selected.		
Remedial action: Please refer to either 9500 or 7705 Node Maintenance manual for remedial action information.		

Table 35-257 IncompatiblePTX

Alarm	Attributes	Applicable major NE releases
Name: IncompatiblePTX (684) Type: communicationsAlarm (4) Package: radioequipment Raised on class: radioequipment.RadioPortSpecifics	Severity: variable Implicitly cleared: true Default probable cause: incompatiblePTX (499)	Unspecified
Description: The alarm is raised when the provisioned MSS transmit power is incompatible with the MSS hardware.		
Remedial action: Please refer 9500 Node Maintenance manual for remedial action information.		

Table 35-258 IncompatibleShifter (mwa)

Alarm	Attributes	Applicable major NE releases
Name: IncompatibleShifter (685) Type: communicationsAlarm (4) Package: mwa Raised on class: mwa.PortTermination	Severity: variable Implicitly cleared: true Default probable cause: Incompatibleshifter (1913)	Unspecified
Description: The alarm is raised when the provisioned MPT shifter parameters are incompatible with the MPT hardware.		
Remedial action: Please refer to either 9500 or 7705 Node Maintenance manual for remedial action information.		

Table 35-259 IncompatibleShifter (radioequipment)

Alarm	Attributes	Applicable major NE releases
Name: IncompatibleShifter (685) Type: communicationsAlarm (4) Package: radioequipment Raised on class: radioequipment.RadioPortSpecifics	Severity: variable Implicitly cleared: true Default probable cause: incompatibleShifter (500)	Unspecified

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when the provisioned MSS shifter parameters are incompatible with the MSS hardware.		
Remedial action: Please refer 9500 Node Maintenance manual for remedial action information.		

(2 of 2)

Table 35-260 IncompatibleTxPower

Alarm	Attributes	Applicable major NE releases
Name: IncompatibleTxPower (4825) Type: communicationsAlarm (4) Package: mwa Raised on class: mwa.PortTermination	Severity: variable Implicitly cleared: true Default probable cause: IncompatibleTxPower (1914)	Unspecified
Description: The alarm is raised when the provisioned MPT transmit power is incompatible with the MPT hardware.		
Remedial action: Please refer to either 9500 or 7705 Node Maintenance manual for remedial action information.		

Table 35-261 IncompleteConfig (bundle)

Alarm	Attributes	Applicable major NE releases
Name: IncompleteConfig (294) Type: configurationAlarm (11) Package: bundle Raised on class: bundle.MultiChassisApsInterface	Severity: major Implicitly cleared: true Default probable cause: incompleteConfig (225)	Unspecified
Description: The alarm is raised when there are not exactly two APS bundles in an APS group.		
Raising condition: (('Number of members' NOT EQUAL '2'))		
Clearing condition: (('Number of members' EQUAL '2'))		
Remedial action: Configure the missing peered object.		

Table 35-262 IncompleteConfig (lag)

Alarm	Attributes	Applicable major NE releases
Name: IncompleteConfig (294) Type: configurationAlarm (11) Package: lag Raised on class: lag.MultiChassisLag	Severity: major Implicitly cleared: true Default probable cause: incompleteConfig (225)	Unspecified
Description: The alarm is raised when an MC LAG has fewer than two members.		
Raising condition: ('numberOfMembers' NOT EQUAL '2')		

(1 of 2)

35 – Unspecified NE alarms

Alarm	Attributes	Applicable major NE releases
Clearing condition: ('numberOfMembers' EQUAL '2')		
Remedial action: Configure the missing peered object.		

(2 of 2)

Table 35-263 IncompleteConfig (rmon)

Alarm	Attributes	Applicable major NE releases
Name: IncompleteConfig (294) Type: configurationAlarm (11) Package: rmon Raised on classes: <ul style="list-style-type: none"> rmon.Event rmon.Alarm 	Severity: major Implicitly cleared: true Default probable cause: incompleteConfig (225)	Unspecified
Description: The alarm is raised when an object is created with default values but not yet made active.		
Raising condition: ('Status' EQUAL 'Under Creation')		
Clearing condition: ('Status' NOT EQUAL 'Under Creation')		
Remedial action: The object is created with default values but not yet made active. Please activate.		

Table 35-264 InconsistenciesOnNode

Alarm	Attributes	Applicable major NE releases
Name: InconsistenciesOnNode (1077) Type: integrityViolation (85) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: inconsistenciesOnNode (813)	Unspecified
Description: The alarm is raised when a device detects one or more configuration inconsistencies. On a 9500 MPR, this can be caused by cross-connect creation failure during service creation.		
Remedial action: Please click on the clear inconsistencies button from the NE properties GUI form to clear the inconsistencies.		

Table 35-265 InstanceIdMismatch

Alarm	Attributes	Applicable major NE releases
Name: InstanceIdMismatch (416) Type: configurationAlarm (11) Package: srrp Raised on class: srrp.Instance	Severity: major Implicitly cleared: false Default probable cause: instanceIdMismatch (309)	Unspecified

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when a local SRRP SAP is backed up by a different SRRP instance on a remote peer.		
Remedial action: Reconfigure the instance so that the peer SRRP instances have the same ID.		

(2 of 2)

Table 35-266 InSufficientBandwidth

Alarm	Attributes	Applicable major NE releases
Name: InSufficientBandwidth (745) Type: communicationsAlarm (4) Package: mpr Raised on class: mpr.VlanPathInstance	Severity: major Implicitly cleared: true Default probable cause: inSufficientBandwidth (521)	Unspecified
Description: The alarm is raised when there is insufficient bandwidth on a radio link between hops in a service.		
Remedial action: Information - Service cannot be deployed because insufficient bandwidth on the port. Use a different port or ensure the required bandwidth.		

Table 35-267 InterfaceDbDescriptAuthFailure

Alarm	Attributes	Applicable major NE releases
Name: InterfaceDbDescriptAuthFailure (46) Type: authenticationAlarm (14) Package: ospf Raised on class: ospf.Interface	Severity: warning Implicitly cleared: false Default probable cause: authTypeMismatch (45) Applicable probable causes: <ul style="list-style-type: none"> authTypeMismatch authFailure 	Unspecified
Description: The alarm is raised when an NE receives a dbDescript packet on a non-virtual interface from an NE whose authentication key or authentication type conflicts with the local NE authentication key or authentication type.		
Remedial action: Informational - The alarm signifies that a dbDescript packet has been received on a non-virtual interface from the network whose authentication key or authentication type conflicts with the local NE's configuration.		

Table 35-268 InterfaceDbDescriptConfig

Alarm	Attributes	Applicable major NE releases
Name: InterfaceDbDescriptConfig (40) Type: configurationAlarm (11) Package: ospf Raised on class: ospf.Interface	Severity: warning Implicitly cleared: false Default probable cause: badVersion (35) Applicable probable causes: <ul style="list-style-type: none"> • badVersion • areaMismatch • unknownNbmaNbr • unknownVirtualNbr • netMaskMismatch • helloIntervalMismatch • deadIntervalMismatch • optionMismatch • mtuMismatch • noError • duplicateRouterId • ifTypeMismatch • nullRouterId • ifAdminDown • ifPassive 	Unspecified
Description: The alarm is raised when an NE receives a dbDescript packet on a non-virtual interface from an NE whose configuration parameters conflict with the local NE configuration parameters.		
Remedial action: Informational - The alarm signifies that a dbDescript packet has been received on a non-virtual interface from the network whose configuration parameters conflict with the local NE's configurations.		

Table 35-269 InterfaceHelloAuthFailure

Alarm	Attributes	Applicable major NE releases
Name: InterfaceHelloAuthFailure (45) Type: authenticationAlarm (14) Package: ospf Raised on class: ospf.Interface	Severity: warning Implicitly cleared: false Default probable cause: authTypeMismatch (45) Applicable probable causes: <ul style="list-style-type: none"> • authTypeMismatch • authFailure 	Unspecified
Description: The alarm is raised when an NE receives a hello packet on a non-virtual interface from an NE whose authentication key or authentication type conflicts with the local NE authentication key or authentication type.		
Remedial action: Informational - The alarm signifies that a hello packet has been received on a non-virtual interface from the network whose authentication key or authentication type conflicts with the local NE's configuration.		

Table 35-270 InterfaceHelloConfig

Alarm	Attributes	Applicable major NE releases
Name: InterfaceHelloConfig (39) Type: configurationAlarm (11) Package: ospf Raised on class: ospf.Interface	Severity: warning Implicitly cleared: false Default probable cause: badVersion (35) Applicable probable causes: <ul style="list-style-type: none"> • badVersion • areaMismatch • unknownNbmaNbr • unknownVirtualNbr • netMaskMismatch • helloIntervalMismatch • deadIntervalMismatch • optionMismatch • mtuMismatch • noError • duplicateRouterId • ifTypeMismatch • nullRouterId • ifAdminDown • ifPassive 	Unspecified
Description: The alarm is raised when an NE receives a hello packet on a non-virtual interface from an NE whose configuration parameters conflict with the local NE configuration parameters.		
Remedial action: Informational - The alarm signifies that a hello packet has been received on a non-virtual interface from the network whose configuration parameters conflict with the local NE's configurations.		

Table 35-271 InterfaceLsAckAuthFailure

Alarm	Attributes	Applicable major NE releases
Name: InterfaceLsAckAuthFailure (49) Type: authenticationAlarm (14) Package: ospf Raised on class: ospf.Interface	Severity: warning Implicitly cleared: false Default probable cause: authTypeMismatch (45) Applicable probable causes: <ul style="list-style-type: none"> • authTypeMismatch • authFailure 	Unspecified
Description: The alarm is raised when an NE receives an lsAck packet on a non-virtual interface from an NE whose authentication key or authentication type conflicts with the local NE authentication key or authentication type.		
Remedial action: Informational - The alarm signifies that a lsAck packet has been received on a non-virtual interface from the network whose authentication key or authentication type conflicts with the local NE's configuration.		

Table 35-272 InterfaceLsAckConfig

Alarm	Attributes	Applicable major NE releases
Name: InterfaceLsAckConfig (43) Type: configurationAlarm (11) Package: ospf Raised on class: ospf.Interface	Severity: warning Implicitly cleared: false Default probable cause: badVersion (35) Applicable probable causes: <ul style="list-style-type: none"> • badVersion • areaMismatch • unknownNbmaNbr • unknownVirtualNbr • netMaskMismatch • helloIntervalMismatch • deadIntervalMismatch • optionMismatch • mtuMismatch • noError • duplicateRouterId • ifTypeMismatch • nullRouterId • ifAdminDown • ifPassive 	Unspecified
Description: The alarm is raised when an NE receives an IsAck packet on a non-virtual interface from an NE whose configuration parameters conflict with the local NE configuration parameters.		
Remedial action: Informational - The alarm signifies that a IsAck packet has been received on a non-virtual interface from the network whose configuration parameters conflict with the local NE's configurations.		

Table 35-273 InterfaceLsReqAuthFailure

Alarm	Attributes	Applicable major NE releases
Name: InterfaceLsReqAuthFailure (47) Type: authenticationAlarm (14) Package: ospf Raised on class: ospf.Interface	Severity: warning Implicitly cleared: false Default probable cause: authTypeMismatch (45) Applicable probable causes: <ul style="list-style-type: none"> • authTypeMismatch • authFailure 	Unspecified
Description: The alarm is raised when an NE receives an IsReq packet on a non-virtual interface from an NE whose authentication key or authentication type conflicts with the local NE authentication key or authentication type.		
Remedial action: Informational - The alarm signifies that a IsReq packet has been received on a non-virtual interface from the network whose authentication key or authentication type conflicts with the local NE's configuration.		

Table 35-274 InterfaceLsReqConfig

Alarm	Attributes	Applicable major NE releases
Name: InterfaceLsReqConfig (41) Type: configurationAlarm (11) Package: ospf Raised on class: ospf.Interface	Severity: warning Implicitly cleared: false Default probable cause: badVersion (35) Applicable probable causes: <ul style="list-style-type: none"> • badVersion • areaMismatch • unknownNbmaNbr • unknownVirtualNbr • netMaskMismatch • helloIntervalMismatch • deadIntervalMismatch • optionMismatch • mtuMismatch • noError • duplicateRouterId • ifTypeMismatch • nullRouterId • ifAdminDown • ifPassive 	Unspecified
Description: The alarm is raised when an NE receives an IsReq packet on a non-virtual interface from an NE whose configuration parameters conflict with the local NE configuration parameters.		
Remedial action: Informational - The alarm signifies that a IsReq packet has been received on a non-virtual interface from the network whose configuration parameters conflict with the local NE's configurations.		

Table 35-275 InterfaceLsUpdateAuthFailure

Alarm	Attributes	Applicable major NE releases
Name: InterfaceLsUpdateAuthFailure (48) Type: authenticationAlarm (14) Package: ospf Raised on class: ospf.Interface	Severity: warning Implicitly cleared: false Default probable cause: authTypeMismatch (45) Applicable probable causes: <ul style="list-style-type: none"> • authTypeMismatch • authFailure 	Unspecified
Description: The alarm is raised when an NE receives an IsUpdate packet on a non-virtual interface from an NE whose authentication key or authentication type conflicts with the local NE authentication key or authentication type.		
Remedial action: Informational - The alarm signifies that a IsUpdate packet has been received on a non-virtual interface from the network whose authentication key or authentication type conflicts with the local NE's configuration.		

Table 35-276 InterfaceLsUpdateConfig

Alarm	Attributes	Applicable major NE releases
Name: InterfaceLsUpdateConfig (42) Type: configurationAlarm (11) Package: ospf Raised on class: ospf.Interface	Severity: warning Implicitly cleared: false Default probable cause: badVersion (35) Applicable probable causes: <ul style="list-style-type: none"> • badVersion • areaMismatch • unknownNbmaNbr • unknownVirtualNbr • netMaskMismatch • helloIntervalMismatch • deadIntervalMismatch • optionMismatch • mtuMismatch • noError • duplicateRouterId • ifTypeMismatch • nullRouterId • ifAdminDown • ifPassive 	Unspecified
Description: The alarm is raised when an NE receives an LsUpdate packet on a non-virtual interface from an NE whose configuration parameters conflict with the local NE configuration parameters.		
Remedial action: Informational - The alarm signifies that a LsUpdate packet has been received on a non-virtual interface from the network whose configuration parameters conflict with the local NE's configurations.		

Table 35-277 InterfaceNullPacketAuthFailure

Alarm	Attributes	Applicable major NE releases
Name: InterfaceNullPacketAuthFailure (50) Type: authenticationAlarm (14) Package: ospf Raised on class: ospf.Interface	Severity: warning Implicitly cleared: false Default probable cause: authTypeMismatch (45) Applicable probable causes: <ul style="list-style-type: none"> • authTypeMismatch • authFailure 	Unspecified
Description: The alarm is raised when an NE receives a null packet on a non-virtual interface from an NE whose authentication key or authentication type conflicts with the local NE authentication key or authentication type.		
Remedial action: Informational - The alarm signifies that a null packet has been received on a non-virtual interface from the network whose authentication key or authentication type conflicts with the local NE's configuration.		

Table 35-278 InterfaceNullPacketConfig

Alarm	Attributes	Applicable major NE releases
Name: InterfaceNullPacketConfig (44) Type: configurationAlarm (11) Package: ospf Raised on class: ospf.Interface	Severity: warning Implicitly cleared: false Default probable cause: badVersion (35) Applicable probable causes: <ul style="list-style-type: none"> • badVersion • areaMismatch • unknownNbmaNbr • unknownVirtualNbr • netMaskMismatch • helloIntervalMismatch • deadIntervalMismatch • optionMismatch • mtuMismatch • noError • duplicateRouterId • ifTypeMismatch • nullRouterId • ifAdminDown • ifPassive 	Unspecified
Description: The alarm is raised when an NE receives a null packet on a non-virtual interface from an NE whose configuration parameters conflict with the local NE configuration parameters.		
Remedial action: Informational - The alarm signifies that a null packet has been received on a non-virtual interface from the network whose configuration parameters conflict with the local NE's configurations.		

Table 35-279 InterfaceRxBadPacket

Alarm	Attributes	Applicable major NE releases
Name: InterfaceRxBadPacket (51) Type: communicationsAlarm (4) Package: ospf Raised on class: ospf.Interface	Severity: warning Implicitly cleared: false Default probable cause: hello (47) Applicable probable causes: <ul style="list-style-type: none"> • hello • dbDescript • lsReq • lsUpdate • lsAck • nullPacket 	Unspecified
Description: The alarm is raised when an NE cannot parse an OSPF packet that it receives on a non-virtual interface.		
Remedial action: Informational - an NE cannot parse an OSPF packet that it receives on a non-virtual interface.		

Table 35-280 InternalCommunicationProblem (equipment)

Alarm	Attributes	Applicable major NE releases
Name: InternalCommunicationProblem (627) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: variable Implicitly cleared: true Default probable cause: internalCommunicationProblem (466)	Unspecified
Description: The alarm is raised when an ODU is unresponsive.		
Remedial action: Please refer 9500 Node Maintenance manual for remedial action information.		

Table 35-281 InternalCommunicationProblem (mpr)

Alarm	Attributes	Applicable major NE releases
Name: InternalCommunicationProblem (627) Type: equipmentAlarm (3) Package: mpr Raised on class: mpr.SubRackElements	Severity: variable Implicitly cleared: true Default probable cause: internalCommunicationProblem (466)	Unspecified
Description: The alarm is raised when an MPThLv2 is unresponsive.		
Remedial action: The alarm is raised when there is a loss of communication with MPT. Please refer 9500 Node Maintenance manual for remedial action information.		

Table 35-282 InterRedundantMPTCommunicationFailure

Alarm	Attributes	Applicable major NE releases
Name: InterRedundantMPTCommunicationFailure (4826) Type: communicationsAlarm (4) Package: mwa Raised on class: mwa.PortTermination	Severity: variable Implicitly cleared: true Default probable cause: InternalCommunicationProblem (1915)	Unspecified
Description: The alarm is raised when a MPT detects a Inter Redundant MPTs Communication Failure		
Remedial action: Please refer to either 9500 or 7705 Node Maintenance manual for remedial action information.		

Table 35-283 InterXPolarizedMPTCommunicationFailure

Alarm	Attributes	Applicable major NE releases
Name: InterXPolarizedMPTCommunicationFailure (4827) Type: communicationsAlarm (4) Package: mwa Raised on class: mwa.PortTermination	Severity: variable Implicitly cleared: true Default probable cause: InternalCommunicationProblem (1915)	Unspecified
Description: The alarm is raised when a MPT detects a Inter X-Polarized MPTs Communication Failure		
Remedial action: Please refer to either 9500 or 7705 Node Maintenance manual for remedial action information.		

Table 35-284 InvalidBOFAddress

Alarm	Attributes	Applicable major NE releases
Name: InvalidBOFAddress (1141) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NodeDiscoveryControl	Severity: warning Implicitly cleared: false Default probable cause: invalidBOF (847)	Unspecified
Description: The alarm is raised during a network topology rescan in which the 5620 SAM does not find a previously configured NE BOF address, and the Management IP Selection of the NE is set to one of the following: - Out Of Band Preferred - In Band Preferred		
Remedial action: A configuration error has been made which must be corrected. The BOF address must be configured on the NE.		

Table 35-285 InvalidJoinPrune

Alarm	Attributes	Applicable major NE releases
Name: InvalidJoinPrune (185) Type: communicationsAlarm (4) Package: pim Raised on class: pim.Site	Severity: warning Implicitly cleared: false Default probable cause: InvalidJoinPruneReceived (145)	Unspecified
Description: The alarm is raised when the RP address in a Join Prune message is not the RP for the group specified in the message.		
Remedial action: Informational - please make sure the RP address in a Join Prune message is the RP for the group specified		

Table 35-286 InvalidRegister

Alarm	Attributes	Applicable major NE releases
Name: InvalidRegister (186) Type: communicationsAlarm (4) Package: pim Raised on class: pim.Site	Severity: warning Implicitly cleared: false Default probable cause: InvalidJoinRegisterReceived (146)	Unspecified
Description: The alarm is raised when the RP address in a Register message is not the RP for the group specified in the message.		
Remedial action: Informational - please make sure the RP address in a Register message is the RP for the group specified		

Table 35-287 invalidRPLoopbackInterfaceConfig

Alarm	Attributes	Applicable major NE releases
Name: invalidRPLoopbackInterfaceConfig (269) Type: configurationAlarm (11) Package: pim Raised on class: pim.VirtualAnyCastRP	Severity: warning Implicitly cleared: true Default probable cause: invalidRPLoopbackIfConfig (201)	Unspecified
Description: The alarm is raised when an RP loopback interface configuration is invalid.		
Remedial action: A configuration error has occurred that must be corrected. Please check the global Virtual Anycast RP configuration and its operational status flag so that the loopback is properly configured, PIM is enabled on the loopback interface.		

Table 35-288 IOReadFileFromDisk

Alarm	Attributes	Applicable major NE releases
Name: IOReadFileFromDisk (5136) Type: serverAlarm (94) Package: server Raised on class: server.SamServer	Severity: critical Implicitly cleared: false Default probable cause: diskProblem (732)	Unspecified
Description: The alarm is raised when SAM cannot read a file from disk.		
Remedial action: Check the additional text of the alarm for more details. Possible causes are insufficient file permissions, disk corruption or general disk hardware failure. The additional text will provide guidance as to the specifics of the problem.		

Table 35-289 IOWriteFileToDisk

Alarm	Attributes	Applicable major NE releases
Name: IOWriteFileToDisk (5137) Type: serverAlarm (94) Package: server Raised on class: server.SamServer	Severity: critical Implicitly cleared: false Default probable cause: diskProblem (732)	Unspecified
Description: The alarm is raised when SAM cannot write a file to disk.		
Remedial action: Check the additional text of the alarm for more details. Possible causes are lack of disk space, insufficient file permissions, disk corruption or or general disk hardware failure. The additional text will provide guidance as to the specifics of the problem.		

Table 35-290 IpAddressManaged

Alarm	Attributes	Applicable major NE releases
Name: IpAddressManaged (4388) Type: IpAddressManaged (124) Package: ptp Raised on class: ptp.SourceEntryPoint	Severity: info Implicitly cleared: false Default probable cause: IpAddressManaged (1571)	Unspecified
Description: The alarm is raised when unmanaged IP address becomes managed virtual router IP address.		
Remedial action: The source entry point unmanaged IP address becomes managed virtual router IP address. Please re-configure source entry point.		

Table 35-291 IpAddressOverlap

Alarm	Attributes	Applicable major NE releases
Name: IpAddressOverlap (3318) Type: configurationAlarm (11) Package: rtr Raised on class: rtr.VirtualRouterIpAddress	Severity: warning Implicitly cleared: true Default probable cause: IpAddressOverlap (1157)	Unspecified
Description: The alarm is raised when the IP addresses configured on different VPRN sites within same VPRN service overlap.		
Remedial action: Please check the IP Addresses configured on different VPRN sites have no overlap.		

Table 35-292 IPListMismatch

Alarm	Attributes	Applicable major NE releases
Name: IPListMismatch (282) Type: configurationAlarm (11) Package: vrrp Raised on class: vrrp.AbstractInstance	Severity: warning Implicitly cleared: true Default probable cause: nonMatchingBackupAddressList (214)	Unspecified
Description: The alarm is raised when the IP address list in an advertisement message from the current master does not match the configured IP address list.		
Remedial action: Check the configured IP addresses, make sure they match the advertised IP addresses from the master VRRP instance.		

Table 35-293 IpPathDown

Alarm	Attributes	Applicable major NE releases
Name: IpPathDown (1916) Type: topologyAlarm (34) Package: monpath Raised on class: monpath.MonitoredIpPath	Severity: major Implicitly cleared: true Default probable cause: ipPathDown (918)	Unspecified
Description: This alarm is raised when the re-calculation by the CPAA shows that no IP Path is available.		
Remedial action: Informational - The IP path record provides an Error code which provides a clue on why the path is down.		

Table 35-294 IpPathMonitorFailedRetryThresholdCrossed

Alarm	Attributes	Applicable major NE releases
Name: IpPathMonitorFailedRetryThresholdCrossed (400) Type: topologyAlarm (34) Package: monpath Raised on class: monpath.MonitoredIpPath	Severity: major Implicitly cleared: true Default probable cause: ipPathCouldNotBeDetermined (299)	Unspecified
Description: The alarm is raised when the 5650 CPAM cannot set up an IP path monitor after the number of attempts specified by the cpamManagedRoute problematicThresholdAlarmAfter value in the nms-server.xml file. The alarm is raised if the cpamManagedRoute problematicRetryStrategy value in nms-server.xml is set to countdown. The default problematicRetryStrategy value of reactive prevents the alarm from being raised.		
Remedial action: Informational - The Retry strategy can be modified in nms-server.xml. This alarm is not raised for the default retry strategy, reactive.		

Table 35-295 IpPathMonitorRetryAttemptsExhausted

Alarm	Attributes	Applicable major NE releases
Name: IpPathMonitorRetryAttemptsExhausted (401) Type: topologyAlarm (34) Package: monpath Raised on class: monpath.MonitoredIpPath	Severity: major Implicitly cleared: false Default probable cause: ipPathCouldNotBeDetermined (299)	Unspecified
Description: The alarm is raised when the 5650 CPAM stops trying to set up an IP path monitor after the number of attempts specified by the cpamManagedRoute problematicDeadAfter value in the nms-server.xml file. The alarm is raised if the cpamManagedRoute problematicRetryStrategy value in nms-server.xml is set to countdown. The default problematicRetryStrategy value of reactive prevents the alarm from being raised.		
Remedial action: Informational - The Retry strategy can be modified in nms-server.xml. This alarm is not raised for the default retry strategy, reactive.		

Table 35-296 IpPathMulticastWarning

Alarm	Attributes	Applicable major NE releases
Name: IpPathMulticastWarning (1917) Type: topologyAlarm (34) Package: monpath Raised on class: monpath.MonitoredIpPath	Severity: major Implicitly cleared: true Default probable cause: IpPathSegmentNotMulticastEnabled (919)	Unspecified
Description: If IP Path is enabled for monitoring Multicast, the alarm is raised when at least one IP Path segment is not Multicast enabled. The alarm is cleared when all the segments are Multicast enabled.		
Remedial action: Informational - The segments without PIM interface enabled can be obtained from path record. PIM should be enabled on these interfaces in order for alarm to be cleared.		

Table 35-297 IPsecInterfaceBfdSessionDown

Alarm	Attributes	Applicable major NE releases
Name: IPsecInterfaceBfdSessionDown (3324) Type: bfdSessionAlarm (46) Package: service Raised on class: service.IPsecInterface	Severity: warning Implicitly cleared: true Default probable cause: bfdSessionDown (346)	Unspecified
Description: The alarm is raised when a BFD session is operationally down.		
Remedial action: This alarm is raised when a BFD session on an IPsec interface goes down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 35-298 IPsecInterfaceBfdSessionFlapped

Alarm	Attributes	Applicable major NE releases
Name: IPsecInterfaceBfdSessionFlapped (3905) Type: bfdSessionAlarm (46) Package: service Raised on class: service.IPsecInterface	Severity: warning Implicitly cleared: true Default probable cause: bfdSessionFlapped (1491)	Unspecified
Description: The alarm is raised when a BFD session transitions from Up to Down and back to Up within the BFD operational state transition interval.		
Remedial action: The BFD session on an IPsec interface has transitioned from Up to Down and back to Up within the configured BFD Flapping Interval.		

Table 35-299 IPsecInterfaceBfdSessionMissing

Alarm	Attributes	Applicable major NE releases
Name: IPsecInterfaceBfdSessionMissing (3325) Type: bfdSessionAlarm (46) Package: service Raised on class: service.IPsecInterface	Severity: warning Implicitly cleared: true Default probable cause: bfdSessionMissing (345)	Unspecified
Description: The alarm is raised when a previously present BFD session is absent.		
Remedial action: This alarm is raised when a previously present BFD session on an IPsec interface is absent. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the near end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 35-300 IPSecRUSAFailToAddRoute

Alarm	Attributes	Applicable major NE releases
Name: IPSecRUSAFailToAddRoute (5185) Type: processingErrorAlarm (81) Package: ipsec Raised on class: ipsec.IPSecSecuredVpnManager	Severity: warning Implicitly cleared: false Default probable cause: IPSecRUSAFailToAddRoute (2101)	Unspecified
Description: The trap tIPsecRUSAFailToAddRoute is sent when adding route to tIPsecRUSARemAddr for the remote-user tunnel fails with reason indicated by tIPsecNotifReason.		
Remedial action: Informational - Please see reason for failure.		

Table 35-301 IPsecRUTnIFailToCreate

Alarm	Attributes	Applicable major NE releases
Name: IPsecRUTnIFailToCreate (5186) Type: processingErrorAlarm (81) Package: ipsec Raised on class: ipsec.IPSecGateway	Severity: warning Implicitly cleared: false Default probable cause: IPsecRUTnIFailToCreate (2102)	Unspecified
Description: 'This alarm is sent when creation of a remote-user tunnel fails with reason indicated by notifReason.'		
Remedial action: Informational - Please see reason for failure.		

Table 35-302 IsaAaGrpBitRate

Alarm	Attributes	Applicable major NE releases
Name: IsaAaGrpBitRate (2948) Type: equipmentAlarm (3) Package: isa Raised on class: isa.AaGroup	Severity: warning Implicitly cleared: false Default probable cause: isaAaGrpBitRate (1143)	Unspecified
Description: The alarm is raised when the current bit rate on the MDA in the ISA-AA group is greater than or equal to tmnxBsxBitRateHighWatermark, and the prior bit rate is less than the threshold.		
Remedial action: The current bit rate on the MDA in the ISA-AA group is greater than or equal to the configured Bit Rate High Watermark. The threshold configured should be revisited to ensure that it is not set too low. To disable the notification, set the Packet Rate High Watermark to maximum.		

Table 35-303 IsaAaGrpCapCostThres

Alarm	Attributes	Applicable major NE releases
Name: IsaAaGrpCapCostThres (835) Type: equipmentAlarm (3) Package: isa Raised on class: isa.AaGroupMember	Severity: warning Implicitly cleared: false Default probable cause: IsaAaGrpCapCostThres (595)	Unspecified
Description: The alarm is raised when the capacity cost for an MDA in an ISA-AA group reaches the configured threshold.		
Remedial action: The capacity cost high threshold for the MDA in the ISA-AA group has been reached.		

Table 35-304 IsaAaGrpFailure

Alarm	Attributes	Applicable major NE releases
Name: IsaAaGrpFailure (564) Type: equipmentAlarm (3) Package: isa Raised on class: isa.AaGroup	Severity: warning Implicitly cleared: false Default probable cause: isaAaGrpFailure (434)	Unspecified
Description: The alarm is raised when an ISA-AA Group has no configured primary MDA or the number of active MDAs is not equal to the number of configured primary MDAs.		
Remedial action: There is a failure on the ISA-AA group. Ensure that ISA-AA group has a primary MDA group member configured, and that the number of active MDAs is equal to the number of configured primary MDAs.		

Table 35-305 IsaAaGrpFlowFull

Alarm	Attributes	Applicable major NE releases
Name: IsaAaGrpFlowFull (566) Type: equipmentAlarm (3) Package: isa Raised on class: isa.AaGroup	Severity: warning Implicitly cleared: false Default probable cause: isaAaGrpFlowFull (436)	Unspecified
Description: The alarm is raised when an ISA-AA group uses a greater number of flow records than the value specified by tmnxBsxFowFullHighWatermark.		
Remedial action: The number of flow records that the ISA-AA group is using is greater than or equal to the configured Flow Full High Watermark. The threshold configured should be revisited to ensure that it is not set too low.		

Table 35-306 IsaAaGrpFlowSetup

Alarm	Attributes	Applicable major NE releases
Name: IsaAaGrpFlowSetup (2949) Type: equipmentAlarm (3) Package: isa Raised on class: isa.AaGroup	Severity: warning Implicitly cleared: false Default probable cause: isaAaGrpFlowSetup (1144)	Unspecified
Description: The alarm is raised when the current flow setup rate on the MDA in the ISA-AA group is greater than or equal to tmnxBsxFowSetupHighWatermark, and the prior bit rate is less than the threshold.		
Remedial action: The current flow setup rate on the MDA in the ISA-AA group is greater than or equal to the configured Flow Setup High Watermark. The threshold configured should be revisited to ensure that it is not set too low. To disable the notification, set the Flow Setup High Watermark to maximum.		

Table 35-307 IsaAaGrpFmSbWaSBufOvld

Alarm	Attributes	Applicable major NE releases
Name: IsaAaGrpFmSbWaSBufOvld (2950) Type: equipmentAlarm (3) Package: isa Raised on class: isa.AaGroupMember	Severity: warning Implicitly cleared: true Default probable cause: IsaAaGrpFmSbWaSBufOvld (1145)	Unspecified
Description: The alarm is raised when the current weighted average shared buffer for an ISA in the from subscriber direction is greater than or equal to a high water mark in a normal, non-overloaded, state.		
Remedial action: The ISA-AA Egress From-Subscriber buffer pool has entered an overload state as determined by the configured Buffer Utilization High Watermark. The threshold configured should be revisited to ensure it is not set too low. To disable the notification, set the Buffer Utilization High Watermark to the maximum.		

Table 35-308 IsaAaGrpNonRedundant

Alarm	Attributes	Applicable major NE releases
Name: IsaAaGrpNonRedundant (565) Type: equipmentAlarm (3) Package: isa Raised on class: isa.AaGroup	Severity: warning Implicitly cleared: false Default probable cause: isaAaGrpNonRedundant (435)	Unspecified
Description: The alarm is raised when an ISA-AA Group has a configured backup MDA but there is no standby MDA available.		
Remedial action: The ISA-AA Group has a configured backup MDA but there is no standby MDA available. Check that the configured standby MDA is active and operationally up. There may be a fault with the ISA Application Assurance MDA.		

Table 35-309 IsaAaGrpOvrldCutthru

Alarm	Attributes	Applicable major NE releases
Name: IsaAaGrpOvrldCutthru (2951) Type: equipmentAlarm (3) Package: isa Raised on class: isa.AaGroupMember	Severity: warning Implicitly cleared: true Default probable cause: IsaAaGrpOvrldCutthru (1146)	Unspecified
Description: The alarm is raised when cut through processing starts on an ISA MDA.		
Remedial action: Overload Cut-Through is enabled on the ISA-AA Group. All traffic is cut-through and the ISA-AA MDA is overloaded. Disable Overload Cut-Through if this is not required.		

35 – Unspecified NE alarms

Table 35-310 IsaAaGrpPacketRate

Alarm	Attributes	Applicable major NE releases
Name: IsaAaGrpPacketRate (2952) Type: equipmentAlarm (3) Package: isa Raised on class: isa.AaGroup	Severity: warning Implicitly cleared: false Default probable cause: isaAaGrpPacketRate (1147)	Unspecified
Description: The alarm is raised when the current packet rate on the MDA in the ISA-AA group is greater than or equal to tmnxBsxBsxPacketRateHighWatermark, and the prior rate is less than this threshold.		
Remedial action: The current packet rate on the MDA in the ISA-AA group is greater than or equal to the configured Packet Rate High Watermark. The threshold configured should be revisited to ensure that it is not set too low. To disable the notification, set the Packet Rate High Watermark to maximum.		

Table 35-311 IsaAaGrpSwitchover

Alarm	Attributes	Applicable major NE releases
Name: IsaAaGrpSwitchover (567) Type: equipmentAlarm (3) Package: isa Raised on class: isa.AaGroup	Severity: warning Implicitly cleared: false Default probable cause: isaAaGrpSwitchover (437)	Unspecified
Description: The alarm is raised when an ISA-AA group experiences an activity switch from one ISA-AA to another.		
Remedial action: The ISA-AA Group has performed an activity switch from one ISA-AA MDA to another.		

Table 35-312 IsaAaGrpToSbWaSBufOvld

Alarm	Attributes	Applicable major NE releases
Name: IsaAaGrpToSbWaSBufOvld (2953) Type: equipmentAlarm (3) Package: isa Raised on class: isa.AaGroupMember	Severity: warning Implicitly cleared: true Default probable cause: IsaAaGrpToSbWaSBufOvld (1148)	Unspecified
Description: The alarm is raised when the current weighted average shared buffer use for an ISA in the To subscriber direction, is greater than or equal to a high water mark, after being in a normal or non-overloaded state.		
Remedial action: The ISA-AA Egress To-Subscriber buffer pool has entered an overload state as determined by the configured Buffer Utilization High Watermark. The threshold configured should be revisited to ensure it is not set too low. To disable the notification, set the Buffer Utilization High Watermark to the maximum.		

Table 35-313 IsidMisconfiguration (epipe)

Alarm	Attributes	Applicable major NE releases
Name: IsidMisconfiguration (592) Type: configurationAlarm (11) Package: epipe Raised on class: epipe.Epipe	Severity: warning Implicitly cleared: true Default probable cause: isidInconsistent (446)	Unspecified
Description: The alarm is raised when Epipe service sites that are bound to a PBB backbone use different ISID values.		
Raising condition: ('operationalFlags'anyBit'ISID Inconsistent')		
Clearing condition: NOT (('operationalFlags'anyBit'ISID Inconsistent'))		
Remedial action: All service sites must use consistent I-SID values for a PBB backbone.		

Table 35-314 IsidMisconfiguration (vpls)

Alarm	Attributes	Applicable major NE releases
Name: IsidMisconfiguration (592) Type: configurationAlarm (11) Package: vpls Raised on class: vpls.AbstractVpls	Severity: warning Implicitly cleared: true Default probable cause: isidInconsistent (446)	Unspecified
Description: The alarm is raised when service sites use inconsistent I-SID values for a PBB backbone. The alarm is raised against a VPLS or M-VPLS service.		
Raising condition: ('operationalFlags'anyBit'ISID Inconsistent')		
Clearing condition: NOT (('operationalFlags'anyBit'ISID Inconsistent'))		
Remedial action: All service sites must use consistent I-SID values for a PBB backbone.		

Table 35-315 IsisAreaMismatch

Alarm	Attributes	Applicable major NE releases
Name: IsisAreaMismatch (156) Type: configurationAlarm (11) Package: isis Raised on class: isis.Site	Severity: warning Implicitly cleared: true Default probable cause: areaTypeMisconfigured (34)	Unspecified
Description: The alarm is raised when IS-IS receives a Hello PDU from an IS with which it does not share an area address.		
Remedial action: Check whether NET address is configured and the AREA ID between two adjacencies are not the same.		

Table 35-316 IsisAuthFailure

Alarm	Attributes	Applicable major NE releases
Name: IsisAuthFailure (155) Type: authenticationAlarm (14) Package: isis Raised on class: isis.Site	Severity: warning Implicitly cleared: false Default probable cause: authFailure (46)	Unspecified
Description: The alarm is raised when IS-IS receives a PDU that contains incorrect authentication information.		
Remedial action: The authentication information on the ISIS Site needs to be changed to match its neighbours.		

Table 35-317 IsisAuthTypeFailure

Alarm	Attributes	Applicable major NE releases
Name: IsisAuthTypeFailure (154) Type: authenticationAlarm (14) Package: isis Raised on class: isis.Site	Severity: warning Implicitly cleared: true Default probable cause: authFailure (46)	Unspecified
Description: The alarm is raised when IS-IS receives a PDU that contains the wrong authentication type.		
Remedial action: The authentication information on the ISIS Site needs to be changed to match its neighbours.		

Table 35-318 IsisExportLimitDropped

Alarm	Attributes	Applicable major NE releases
Name: IsisExportLimitDropped (838) Type: configurationAlarm (11) Package: isis Raised on class: isis.Site	Severity: warning Implicitly cleared: false Default probable cause: exportLimitDropped (598)	Unspecified
Description: The alarm is raised when the number of routes exported from the route table to an IS-IS level drops below the Export Limit value for the level.		
Remedial action: Informational.		

Table 35-319 IsisExportLimitReached

Alarm	Attributes	Applicable major NE releases
Name: IsisExportLimitReached (839) Type: configurationAlarm (11) Package: isis Raised on class: isis.Site	Severity: warning Implicitly cleared: false Default probable cause: exportLimitReached (599)	Unspecified
Description: The alarm is raised when the number of routes exported from the route table to an IS-IS level is equal to the Export Limit value for the level.		
Remedial action: Informational - the number of routes exported from the route table to an IS-IS level is equal to the Export Limit value for the level		

Table 35-320 IsisExportLimitWarning

Alarm	Attributes	Applicable major NE releases
Name: IsisExportLimitWarning (840) Type: configurationAlarm (11) Package: isis Raised on class: isis.Site	Severity: warning Implicitly cleared: false Default probable cause: exportLimitWarning (600)	Unspecified
Description: The alarm is raised when the number of routes exported from the route table to an IS-IS level is equal to the Export Limit percentage specified by the Export Limit Log Percent value.		
Remedial action: Informational - the number of routes exported from the route table to an IS-IS level is equal to the Export Limit percentage specified by the Export Limit Log Percent value.		

Table 35-321 IsisLspRateThresholdExceeded

Alarm	Attributes	Applicable major NE releases
Name: IsisLspRateThresholdExceeded (376) Type: topologyAlarm (34) Package: topology Raised on class: topology.Cpaa	Severity: major Implicitly cleared: true Default probable cause: unstableIGPNetwork (241)	Unspecified
Description: The alarm is raised when the IS-IS LSP rate exceeds the maximum allowed value because of an unstable IGP network.		
Remedial action: User configured alarm for monitoring purpose. IGP historical map can be used for debugging purpose.		

Table 35-322 IsisLspThresholdExceeded

Alarm	Attributes	Applicable major NE releases
Name: IsisLspThresholdExceeded (375) Type: topologyAlarm (34) Package: topology Raised on class: topology.Cpaa	Severity: major Implicitly cleared: true Default probable cause: largeIGPNetwork (276)	Unspecified
Description: The alarm is raised when the number of IS-IS LSPs exceeds the maximum allowed value because of a large IGP network.		
Remedial action: User configured alarm for monitoring purpose. IGP historical map can be used for debugging purpose.		

Table 35-323 IsisManualAddressDrops

Alarm	Attributes	Applicable major NE releases
Name: IsisManualAddressDrops (157) Type: configurationAlarm (11) Package: isis Raised on class: isis.Site	Severity: warning Implicitly cleared: false Default probable cause: noError (44)	Unspecified
Description: The alarm is raised when a manual area address assigned to an IS is ignored during a route computation.		
Remedial action: Informational - no corrective action required.		

Table 35-324 IsisReachabilityThresholdExceeded

Alarm	Attributes	Applicable major NE releases
Name: IsisReachabilityThresholdExceeded (377) Type: topologyAlarm (34) Package: topology Raised on class: topology.Cpaa	Severity: major Implicitly cleared: true Default probable cause: manyExternalLSAsFloodingIntoIGP (271)	Unspecified
Description: The alarm is raised when the IS-IS reachability value exceeds the maximum allowed value because too many external LSAs are flooding the IGP.		
Remedial action: User configured alarm for monitoring purpose. The advertised routes can be viewed using CPAM IGP prefix list.		

Table 35-325 IsisRejectedAdjacency

Alarm	Attributes	Applicable major NE releases
Name: IsisRejectedAdjacency (214) Type: adjacencyAlarm (31) Package: isis Raised on class: isis.Interface	Severity: minor Implicitly cleared: true Default probable cause: interfaceMismatch (170)	Unspecified
Description: The alarm is raised when the 5620 SAM receives a vRtrIsisRejectedAdjacency trap, which indicates that an adjacency cannot be established in response to a Hello PDU from an IS because of a lack of resources.		
Remedial action: Informational, might have exceeded the maximum number of adjacencies allowed.		

Table 35-326 L2AccessInterfaceChange

Alarm	Attributes	Applicable major NE releases
Name: L2AccessInterfaceChange (3933) Type: communicationsAlarm (4) Package: mpr Raised on class: mpr.VlanPathInstance	Severity: info Implicitly cleared: true Default probable cause: SAPChanged (1516)	Unspecified
Description: The alarm is raised when the SAP is changed in Service for 9500.		
Remedial action: Informational - if SAP is changed this alarm is raised.		

Table 35-327 L2tpLnsSePppSessionFailure

Alarm	Attributes	Applicable major NE releases
Name: L2tpLnsSePppSessionFailure (3901) Type: processingErrorAlarm (81) Package: rtr Raised on class: rtr.RoutingInstanceSite	Severity: major Implicitly cleared: false Default probable cause: l2tpLnsSePppSessionFailed (1492)	Unspecified
Description: The alarm is raised when an NE notifies the 5620 SAM that it cannot create a new L2TP session.		
Remedial action: The alarm is raised when an NE notifies the 5620 SAM that it cannot create a new L2TP session. Verify the configuration to have LNS group assigned to the group tunnel profile or tunnel profile. Additionally, verify the length of the auto-generated subscriber identification.		

Table 35-328 L2tpTunnelBlacklisted

Alarm	Attributes	Applicable major NE releases
Name: L2tpTunnelBlacklisted (4625) Type: processingErrorAlarm (81) Package: l2tp Raised on class: l2tp.TunnelStatus	Severity: variable Implicitly cleared: true Default probable cause: tmnxL2tpTunnelBlacklisted (1893)	Unspecified
Description: This alarm is raised when a L2TP tunnel is added to the tunnel-selection-blacklist. It is automatically cleared when the tunnel is removed from the list.		
Remedial action: In most cases the problem is a configuration mismatch between LAC and LNS, or a problem on LNS. Please refer to the additional text and enable the debug log on event lac-session-setup to figure out the root cause.		

Table 35-329 LacpExpired

Alarm	Attributes	Applicable major NE releases
Name: LacpExpired (3981) Type: equipmentAlarm (3) Package: lag Raised on class: lag.PortTermination	Severity: minor Implicitly cleared: true Default probable cause: LagSubgroupMemberStateChange (1558)	Unspecified
Description: The alarm is raised when Lacp expired on subgroup lag member due to state change.		
Remedial action: The reasons for LACP Expired alarm may vary. The following possible causes of this alarm should be investigated. The partner lag member oper state may have changed or LACP Transmit Standby may have been disabled - this can be remedied by enabling the LACP Transmit Standby on Lag. The partner lag member 802.3ah oper state may have changed - ensure that 802.3ah state is same on both ends. The partner lag member dot1ag state may have changed - ensure that dot1ag state is same on both ends.		

Table 35-330 LagDot1agStateChanged

Alarm	Attributes	Applicable major NE releases
Name: LagDot1agStateChanged (3982) Type: equipmentAlarm (3) Package: lag Raised on class: lag.PortTermination	Severity: minor Implicitly cleared: true Default probable cause: Dot1agStateChange (1559)	Unspecified
Description: The alarm is raised when the subgroup lag member dot1ag state has changed.		
Remedial action: The lag member dot1ag state may have changed - please ensure that dot1ag state is same on both ends.		

Table 35-331 LagEfmOamStateChanged

Alarm	Attributes	Applicable major NE releases
Name: LagEfmOamStateChanged (3983) Type: equipmentAlarm (3) Package: lag Raised on class: lag.PortTermination	Severity: minor Implicitly cleared: true Default probable cause: EfmOamStateChange (1560)	Unspecified
Description: The alarm is raised when the subgroup lag member efmOam state has changed.		
Remedial action: The lag member 802.3ah oper state may have changed - please ensure that 802.3ah state is same on both ends.		

Table 35-332 LagPartnerOperStateChanged

Alarm	Attributes	Applicable major NE releases
Name: LagPartnerOperStateChanged (3984) Type: equipmentAlarm (3) Package: lag Raised on class: lag.PortTermination	Severity: minor Implicitly cleared: true Default probable cause: PartnerOperStateChange (1561)	Unspecified
Description: The alarm is raised when the subgroup lag member partner oper state has changed.		
Remedial action: The lag member oper state may have changed or LACP Transmit Standby may have been disabled - this can be remedied by enabling the LACP Transmit Standby on Lag.		

Table 35-333 LanFailure

Alarm	Attributes	Applicable major NE releases
Name: LanFailure (628) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: variable Implicitly cleared: true Default probable cause: lanFailure (467)	Unspecified
Description: The alarm is raised when a LAN failure is detected.		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 35-334 LastHopIncorrectLabelAction

Alarm	Attributes	Applicable major NE releases
Name: LastHopIncorrectLabelAction (352) Type: configurationAlarm (11) Package: mpls Raised on class: mpls.StaticLsp	Severity: warning Implicitly cleared: true Default probable cause: LabelActionIsNotPopOnLastHop (254)	Unspecified
Description: The alarm is raised when the label action specified for the last hop in a static LSP is not a pop action.		
Remedial action: Ensure the last hop configured with a pop label action, if the last hop node is managed by SAM.		

Table 35-335 LastHopNotMatchingDestination

Alarm	Attributes	Applicable major NE releases
Name: LastHopNotMatchingDestination (351) Type: configurationAlarm (11) Package: mpls Raised on class: mpls.StaticLsp	Severity: warning Implicitly cleared: true Default probable cause: LastHopNotMatchingDestination (253)	Unspecified
Description: The alarm is raised when the last hop in a static LSP is not the destination.		
Remedial action: Ensure the last hop configured in the static LSP match the destination of the LSP, if the last hop node is managed by SAM.		

Table 35-336 LCD

Alarm	Attributes	Applicable major NE releases
Name: LCD (803) Type: communicationsAlarm (4) Package: mpr Raised on class: mpr.IMALink	Severity: major Implicitly cleared: true Default probable cause: lossOfCellDelineation (569)	Unspecified
Description: The alarm is raised when a Loss of Cell Delineation signal is detected on an ASAP MDA.		
Remedial action: Please refer 9500 Node Maintenance manual for remedial action information.		

Table 35-337 LdpInterfaceDown

Alarm	Attributes	Applicable major NE releases
Name: LdpInterfaceDown (21) Type: ProtocolAlarm (1) Package: ldp Raised on class: ldp.Interface	Severity: critical Implicitly cleared: false Default probable cause: protocolDown (1)	Unspecified
Description: The alarm is raised when an LDP interface is operationally down.		
Remedial action: Check operational state down reason and state qualifier, then update accordingly.		

Table 35-338 Licensed3RouterLimitExceeded

Alarm	Attributes	Applicable major NE releases
Name: Licensed3RouterLimitExceeded (694) Type: cpamLicensingAlarm (39) Package: security Raised on class: security.CpamLicense	Severity: critical Implicitly cleared: true Default probable cause: cpamLicensedLimitExceeded (285)	Unspecified
Description: The alarm is raised when the number of third-party routers in the 5650 CPAM network reaches 100 percent of the license capacity.		
Raising condition: ('isLicensed3RouterLimitExceeded' EQUAL 'true')		
Clearing condition: ('isLicensed3RouterLimitExceeded' NOT EQUAL 'true')		
Remedial action: Informational - The number of Third Party Router licenses purchased and available on the CPAM server is insufficient as compared to the number of third party routers under management in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

Table 35-339 Licensed3RouterLimitNearing

Alarm	Attributes	Applicable major NE releases
Name: Licensed3RouterLimitNearing (695) Type: cpamLicensingAlarm (39) Package: security Raised on class: security.CpamLicense	Severity: warning Implicitly cleared: true Default probable cause: cpamLicensedLimitNearing (283)	Unspecified
Description: The alarm is raised when the number of third-party routers in the 5650 CPAM network reaches 75 to 90 percent of the license capacity.		
Remedial action: Informational - The number of Third Party Router licenses purchased and available on the CPAM server is insufficient as compared to the number of third party routers under management in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

35 – Unspecified NE alarms

Table 35-340 Licensed3RouterLimitNearlyExceeded

Alarm	Attributes	Applicable major NE releases
Name: Licensed3RouterLimitNearlyExceeded (696) Type: cpamLicensingAlarm (39) Package: security Raised on class: security.CpamLicense	Severity: major Implicitly cleared: true Default probable cause: cpamLicensedLimitNearlyExceeded (284)	Unspecified
Description: The alarm is raised when the number of third-party routers in the 5650 CPAM network reaches 90 to 100 percent of the license capacity.		
Remedial action: Informational - The number of Third Party Router licenses purchased and available on the CPAM server is insufficient as compared to the number of third party routers under management in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

Table 35-341 LicensedBgpRouteProfileLimitExceeded

Alarm	Attributes	Applicable major NE releases
Name: LicensedBgpRouteProfileLimitExceeded (5132) Type: cpamLicensingAlarm (39) Package: security Raised on class: security.CpamLicense	Severity: critical Implicitly cleared: true Default probable cause: cpamLicensedLimitExceeded (285)	Unspecified
Description: The alarm is raised when the number of BGP Route Profiles in the 5650 CPAM reaches 100 percent of the license capacity.		
Raising condition: ('isLicensedBgpProfileLimitExceeded' EQUAL 'true')		
Clearing condition: ('isLicensedBgpProfileLimitExceeded' NOT EQUAL 'true')		
Remedial action: Informational - The number of Bgp Route Profile Module licenses purchased and available on the CPAM server is insufficient as compared to the number of Bgp Route Profiles in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

Table 35-342 LicensedBgpRouteProfileLimitNearing

Alarm	Attributes	Applicable major NE releases
Name: LicensedBgpRouteProfileLimitNearing (5133) Type: cpamLicensingAlarm (39) Package: security Raised on class: security.CpamLicense	Severity: warning Implicitly cleared: true Default probable cause: cpamLicensedLimitNearing (283)	Unspecified
Description: The alarm is raised when the number of BGP Route Profiles in the 5650 CPAM reaches 75 to 90 percent of the license capacity.		
Remedial action: Informational - The number of Bgp Route Profile Module licenses purchased and available on the CPAM server is insufficient as compared to the number of Bgp Route Profiles in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

Table 35-343 LicensedBgpRouteProfileLimitNearlyExceeded

Alarm	Attributes	Applicable major NE releases
Name: LicensedBgpRouteProfileLimitNearlyExceeded (5134) Type: cpamLicensingAlarm (39) Package: security Raised on class: security.CpamLicense	Severity: major Implicitly cleared: true Default probable cause: cpamLicensedLimitNearlyExceeded (284)	Unspecified
Description: The alarm is raised when the number of BGP Route Profiles in the 5650 CPAM reaches 90 to 100 percent of the license capacity.		
Remedial action: Informational - The number of Bgp Route Profiles Module licenses purchased and available on the CPAM server is insufficient as compared to the number of BGP Route Profiles in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

Table 35-344 LicensedBigRouterLimitExceeded

Alarm	Attributes	Applicable major NE releases
Name: LicensedBigRouterLimitExceeded (709) Type: cpamLicensingAlarm (39) Package: security Raised on class: security.CpamLicense	Severity: critical Implicitly cleared: true Default probable cause: cpamLicensedLimitExceeded (285)	Unspecified
Description: The alarm is raised when the number of Alcatel-Lucent large routers in the network reaches 100 percent of the 5650 CPAM license capacity.		
Raising condition: ('isLicensedBigRouterLimitExceeded' EQUAL 'true')		
Clearing condition: ('isLicensedBigRouterLimitExceeded' NOT EQUAL 'true')		
Remedial action: Informational - The number of Big Router licenses purchased and available on the CPAM server is insufficient as compared to the number of big routers under management in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

Table 35-345 LicensedBigRouterLimitNearing

Alarm	Attributes	Applicable major NE releases
Name: LicensedBigRouterLimitNearing (710) Type: cpamLicensingAlarm (39) Package: security Raised on class: security.CpamLicense	Severity: warning Implicitly cleared: true Default probable cause: cpamLicensedLimitNearing (283)	Unspecified
Description: The alarm is raised when the number of Alcatel-Lucent large routers in the network reaches 75 to 90 percent of the 5650 CPAM license capacity.		
Remedial action: Informational - The number of Big Router licenses purchased and available on the CPAM server is insufficient as compared to the number of big routers under management in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

35 – Unspecified NE alarms

Table 35-346 LicensedBigRouterLimitNearlyExceeded

Alarm	Attributes	Applicable major NE releases
Name: LicensedBigRouterLimitNearlyExceeded (711) Type: cpamLicensingAlarm (39) Package: security Raised on class: security.CpamLicense	Severity: major Implicitly cleared: true Default probable cause: cpamLicensedLimitNearlyExceeded (284)	Unspecified
Description: The alarm is raised when the number of Alcatel-Lucent large routers in the network reaches 90 to 100 percent of the 5650 CPAM license capacity.		
Remedial action: Informational - The number of Big Router licenses purchased and available on the CPAM server is insufficient as compared to the number of big routers under management in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

Table 35-347 LicensedImpactAnalysisRouterLimitExceeded

Alarm	Attributes	Applicable major NE releases
Name: LicensedImpactAnalysisRouterLimitExceeded (712) Type: cpamLicensingAlarm (39) Package: security Raised on class: security.CpamLicenseScenario	Severity: critical Implicitly cleared: true Default probable cause: cpamLicensedLimitExceeded (285)	Unspecified
Description: The alarm is raised when the number of routers in a simulation scenario reaches 100 percent of the license capacity.		
Raising condition: ('isLicensedRouterLimitExceeded' EQUAL 'true')		
Clearing condition: ('isLicensedRouterLimitExceeded' NOT EQUAL 'true')		
Remedial action: Informational - The number of licenses purchased and available on the CPAM server for routers in a simulation scenario is insufficient as compared to the number of routers in a simulation scenario. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

Table 35-348 LicensedImpactAnalysisRouterLimitNearing

Alarm	Attributes	Applicable major NE releases
Name: LicensedImpactAnalysisRouterLimitNearing (713) Type: cpamLicensingAlarm (39) Package: security Raised on class: security.CpamLicenseScenario	Severity: warning Implicitly cleared: true Default probable cause: cpamLicensedLimitNearing (283)	Unspecified
Description: The alarm is raised when the number of routers in a simulation scenario reaches 75 to 90 percent of the license capacity.		
Remedial action: Informational - The number of licenses purchased and available on the CPAM server for routers in a simulation scenario is insufficient as compared to the number of routers in a simulation scenario. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

Table 35-349 LicensedImpactAnalysisRouterLimitNearlyExceeded

Alarm	Attributes	Applicable major NE releases
Name: LicensedImpactAnalysisRouterLimitNearlyExceeded (714) Type: cpamLicensingAlarm (39) Package: security Raised on class: security.CpamLicenseScenario	Severity: major Implicitly cleared: true Default probable cause: cpamLicensedLimitNearlyExceeded (284)	Unspecified
Description: The alarm is raised when the number of routers in a simulation scenario reaches 90 to 100 percent of the license capacity.		
Remedial action: Informational - The number of licenses purchased and available on the CPAM server for routers in a simulation scenario is insufficient as compared to the number of routers in a simulation scenario. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

Table 35-350 LicensedIpPathLimitExceeded

Alarm	Attributes	Applicable major NE releases
Name: LicensedIpPathLimitExceeded (715) Type: cpamLicensingAlarm (39) Package: security Raised on class: security.CpamLicense	Severity: critical Implicitly cleared: true Default probable cause: cpamLicensedLimitExceeded (285)	Unspecified
Description: The alarm is raised when the number of IP path monitors in the 5650 CPAM reaches 100 percent of the license capacity.		
Raising condition: ('isLicensedIpPathLimitExceeded' EQUAL 'true')		
Clearing condition: ('isLicensedIpPathLimitExceeded' NOT EQUAL 'true')		
Remedial action: Informational - The number of Path Computation Module licenses purchased and available on the CPAM server is insufficient as compared to the number of PCA paths in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

Table 35-351 LicensedIpPathLimitNearing

Alarm	Attributes	Applicable major NE releases
Name: LicensedIpPathLimitNearing (716) Type: cpamLicensingAlarm (39) Package: security Raised on class: security.CpamLicense	Severity: warning Implicitly cleared: true Default probable cause: cpamLicensedLimitNearing (283)	Unspecified
Description: The alarm is raised when the number of IP path monitors in the 5650 CPAM reaches 75 to 90 percent of the license capacity.		
Remedial action: Informational - The number of Path Computation Module licenses purchased and available on the CPAM server is insufficient as compared to the number of PCA paths in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

35 – Unspecified NE alarms

Table 35-352 LicensedIpPathLimitNearlyExceeded

Alarm	Attributes	Applicable major NE releases
Name: LicensedIpPathLimitNearlyExceeded (717) Type: cpamLicensingAlarm (39) Package: security Raised on class: security.CpamLicense	Severity: major Implicitly cleared: true Default probable cause: cpamLicensedLimitNearlyExceeded (284)	Unspecified
Description: The alarm is raised when the number of IP path monitors in the 5650 CPAM reaches 90 to 100 percent of the license capacity.		
Remedial action: Informational - The number of Path Computation Module licenses purchased and available on the CPAM server is insufficient as compared to the number of PCA paths in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

Table 35-353 LicensedMcRouterLimitExceeded

Alarm	Attributes	Applicable major NE releases
Name: LicensedMcRouterLimitExceeded (718) Type: cpamLicensingAlarm (39) Package: security Raised on class: security.CpamLicense	Severity: critical Implicitly cleared: true Default probable cause: cpamLicensedLimitExceeded (285)	Unspecified
Description: The alarm is raised when the number of multicast routers in the 5650 CPAM reaches 100 percent of the license capacity.		
Raising condition: ('isLicensedMcRouterLimitExceeded' EQUAL 'true')		
Clearing condition: ('isLicensedMcRouterLimitExceeded' NOT EQUAL 'true')		
Remedial action: Informational - The number of Multicast Router licenses purchased and available on the CPAM server is insufficient as compared to the number of multicast routers under management in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

Table 35-354 LicensedMcRouterLimitNearing

Alarm	Attributes	Applicable major NE releases
Name: LicensedMcRouterLimitNearing (719) Type: cpamLicensingAlarm (39) Package: security Raised on class: security.CpamLicense	Severity: warning Implicitly cleared: true Default probable cause: cpamLicensedLimitNearing (283)	Unspecified
Description: The alarm is raised when the number of multicast routers in the 5650 CPAM reaches 75 to 90 percent of the license capacity.		
Remedial action: Informational - The number of Multicast Router licenses purchased and available on the CPAM server is insufficient as compared to the number of multicast routers under management in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

Table 35-355 LicensedMcRouterLimitNearlyExceeded

Alarm	Attributes	Applicable major NE releases
Name: LicensedMcRouterLimitNearlyExceeded (720) Type: cpamLicensingAlarm (39) Package: security Raised on class: security.CpamLicense	Severity: major Implicitly cleared: true Default probable cause: cpamLicensedLimitNearlyExceeded (284)	Unspecified
Description: The alarm is raised when the number of multicast routers in the 5650 CPAM reaches 90 to 100 percent of the license capacity.		
Remedial action: Informational - The number of Multicast Router licenses purchased and available on the CPAM server is insufficient as compared to the number of multicast routers under management in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

Table 35-356 LicensedSmallRouterLimitExceeded

Alarm	Attributes	Applicable major NE releases
Name: LicensedSmallRouterLimitExceeded (727) Type: cpamLicensingAlarm (39) Package: security Raised on class: security.CpamLicense	Severity: critical Implicitly cleared: true Default probable cause: cpamLicensedLimitExceeded (285)	Unspecified
Description: The alarm is raised when the number of Alcatel-Lucent small routers in the network reaches 100 percent of the 5650 CPAM license capacity.		
Raising condition: ('isLicensedSmallRouterLimitExceeded' EQUAL 'true')		
Clearing condition: ('isLicensedSmallRouterLimitExceeded' NOT EQUAL 'true')		
Remedial action: Informational - The number of Small Router licenses purchased and available on the CPAM server is insufficient as compared to the number of small routers under management in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

Table 35-357 LicensedSmallRouterLimitNearing

Alarm	Attributes	Applicable major NE releases
Name: LicensedSmallRouterLimitNearing (728) Type: cpamLicensingAlarm (39) Package: security Raised on class: security.CpamLicense	Severity: warning Implicitly cleared: true Default probable cause: cpamLicensedLimitNearing (283)	Unspecified
Description: The alarm is raised when the number of Alcatel-Lucent small routers in the network reaches 75 to 90 percent of the 5650 CPAM license capacity.		
Remedial action: Informational - The number of Small Router licenses purchased and available on the CPAM server is insufficient as compared to the number of small routers under management in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

35 – Unspecified NE alarms

Table 35-358 LicensedSmallRouterLimitNearlyExceeded

Alarm	Attributes	Applicable major NE releases
Name: LicensedSmallRouterLimitNearlyExceeded (729) Type: cpamLicensingAlarm (39) Package: security Raised on class: security.CpamLicense	Severity: major Implicitly cleared: true Default probable cause: cpamLicensedLimitNearlyExceeded (284)	Unspecified
Description: The alarm is raised when the number of Alcatel-Lucent small routers in the network reaches 90 to 100 percent of the 5650 CPAM license capacity.		
Remedial action: Informational - The number of Small Router licenses purchased and available on the CPAM server is insufficient as compared to the number of small routers under management in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

Table 35-359 licenseExpiration

Alarm	Attributes	Applicable major NE releases
Name: licenseExpiration (2911) Type: configurationAlarm (11) Package: ranlicense Raised on class: ranlicense.RANLicense	Severity: variable Implicitly cleared: true Default probable cause: licenseExpired (1117)	Unspecified
Description: The alarm is raised when a RAN license expires.		
Remedial action: Provide a new LKDI license file with a further expiration date.		

Table 35-360 LicenseMisMatch

Alarm	Attributes	Applicable major NE releases
Name: LicenseMisMatch (693) Type: cpamLicensingAlarm (39) Package: security Raised on class: security.CpamLicense	Severity: critical Implicitly cleared: false Default probable cause: cpamLicenseMisMatch (507)	Unspecified
Description: The alarm is raised when the primary 5650 CPAM server license does not match the standby 5650 CPAM server license.		
Remedial action: Informational - Please ensure that the same license key is installed on both the active and standby SAM/CPAM servers		

Table 35-361 licenseViolation

Alarm	Attributes	Applicable major NE releases
Name: licenseViolation (2912) Type: configurationAlarm (11) Package: ranlicense Raised on class: ranlicense.RANLicense	Severity: critical Implicitly cleared: true Default probable cause: noMoreTokens (1118)	Unspecified
Description: The alarm is raised when a RAN license is in violation due to insufficient tokens.		
Remedial action: Provide a new LKDI license file with more tokens.		

Table 35-362 liDestinationChangeReject

Alarm	Attributes	Applicable major NE releases
Name: liDestinationChangeReject (551) Type: ConfigurationAlarm (15) Package: mirrorli Raised on class: mirrorli.LIMirrorSiteCfg	Severity: warning Implicitly cleared: false Default probable cause: tMirrorDestinationChangeReject (421)	Unspecified
Description: The alarm is raised when an operator tries to modify a mirror destination that is in use by an LI mirror.		
Remedial action: Informational - no corrective action required.		

Table 35-363 liDestinationEnabled

Alarm	Attributes	Applicable major NE releases
Name: liDestinationEnabled (550) Type: ConfigurationAlarm (15) Package: mirrorli Raised on class: mirrorli.LIMirrorSiteCfg	Severity: warning Implicitly cleared: false Default probable cause: tMirrorDestinationEnabled (420)	Unspecified
Description: The alarm is raised when a mirror destination Operational State changes from Down to Up.		
Remedial action: Informational - no corrective action required.		

Table 35-364 LIF

Alarm	Attributes	Applicable major NE releases
Name: LIF (804) Type: communicationsAlarm (4) Package: mpr Raised on class: mpr.IMALink	Severity: major Implicitly cleared: true Default probable cause: lossOfIMAFrame (570)	Unspecified

(1 of 2)

35 – Unspecified NE alarms

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when a Loss of IMA Frame signal is detected on an ASAP MDA.		
Remedial action: Please refer 9500 Node Maintenance manual for remedial action information.		

(2 of 2)

Table 35-365 liFilterAssignToltfWarn

Alarm	Attributes	Applicable major NE releases
Name: liFilterAssignToltfWarn (556) Type: ConfigurationAlarm (15) Package: mirrorli Raised on class: mirrorli.LIMirrorSiteCfg	Severity: warning Implicitly cleared: false Default probable cause: tMirrorFilterAssignToltfWarn (426)	Unspecified
Description: The alarm is raised when an operator tries to assign a filter that is in use by LI to an interface.		
Remedial action: Informational - no corrective action required.		

Table 35-366 liFilterAssignToSapWarn

Alarm	Attributes	Applicable major NE releases
Name: liFilterAssignToSapWarn (554) Type: ConfigurationAlarm (15) Package: mirrorli Raised on class: mirrorli.LIMirrorSiteCfg	Severity: warning Implicitly cleared: false Default probable cause: tMirrorFilterAssignToSapWarn (424)	Unspecified
Description: The alarm is raised when an operator tries to assign a filter that is in use by LI to a SAP.		
Remedial action: Informational - no corrective action required.		

Table 35-367 liFilterAssignToSdpWarn

Alarm	Attributes	Applicable major NE releases
Name: liFilterAssignToSdpWarn (555) Type: ConfigurationAlarm (15) Package: mirrorli Raised on class: mirrorli.LIMirrorSiteCfg	Severity: warning Implicitly cleared: false Default probable cause: tMirrorFilterAssignToSdpWarn (425)	Unspecified
Description: The alarm is raised when an operator tries to assign a filter that is in use by LI to an SDP.		
Remedial action: Informational - no corrective action required.		

Table 35-368 LinkAggMemberMisconfigured

Alarm	Attributes	Applicable major NE releases
Name: LinkAggMemberMisconfigured (652) Type: InkaggAlarm (56) Package: lag Raised on class: lag.Interface	Severity: critical Implicitly cleared: true Default probable cause: lagMemberMisconfigured (483)	Unspecified
Description: The alarm is raised when one or more misconfigured LAG members are detected, for example, when some LAG members are in access mode and some are in network mode.		
Remedial action: A configuration error has occurred which must be corrected. The configuration of the LAG port member should be checked and the configuration error corrected,		

Table 35-369 LinkAggModeMisconfigured

Alarm	Attributes	Applicable major NE releases
Name: LinkAggModeMisconfigured (653) Type: InkaggAlarm (56) Package: lag Raised on class: lag.Interface	Severity: critical Implicitly cleared: true Default probable cause: lagModeMisconfigured (484)	Unspecified
Description: The alarm is raised when the LAG mode differs from the mode of one or more LAG members, for example, when the LAG mode is access and the LAG members are in network mode.		
Remedial action: A configuration error has occurred which must be corrected. The configuration of the LAG port member should be checked and the configuration error corrected,		

Table 35-370 LinkAggPortJoin

Alarm	Attributes	Applicable major NE releases
Name: LinkAggPortJoin (654) Type: InkaggAlarm (56) Package: lag Raised on class: lag.Interface	Severity: info Implicitly cleared: false Default probable cause: lagPortJoin (485)	Unspecified
Description: The alarm is raised when a LAG port joins a LAG by entering the attached state.		
Remedial action: Informational.		

Table 35-371 LinkAggPortLeave

Alarm	Attributes	Applicable major NE releases
Name: LinkAggPortLeave (655) Type: InkaggAlarm (56) Package: lag Raised on class: lag.Interface	Severity: info Implicitly cleared: false Default probable cause: lagPortLeave (486)	Unspecified
Description: The alarm is raised when a LAG port leaves a LAG by exiting the attached state.		
Remedial action: Informational.		

Table 35-372 LinkAggPortRemove

Alarm	Attributes	Applicable major NE releases
Name: LinkAggPortRemove (656) Type: InkaggAlarm (56) Package: lag Raised on class: lag.Interface	Severity: warning Implicitly cleared: false Default probable cause: lagPortRemove (487)	Unspecified
Description: The alarm is raised when a LAG port is removed from a LAG because of an invalid configuration.		
Remedial action: A configuration error has occurred which must be corrected. Please check the configuration of the port in question.		

Table 35-373 LinkIdentifierMismatch (mwa)

Alarm	Attributes	Applicable major NE releases
Name: LinkIdentifierMismatch (686) Type: communicationsAlarm (4) Package: mwa Raised on class: mwa.PortTermination	Severity: variable Implicitly cleared: true Default probable cause: LinkIdentifierMismatch (1916)	Unspecified
Description: The alarm is raised when a MPT detects a link identifier mismatch.		
Remedial action: Please refer to either 9500 or 7705 Node Maintenance manual for remedial action information.		

Table 35-374 LinkIdentifierMismatch (radioequipment)

Alarm	Attributes	Applicable major NE releases
Name: LinkIdentifierMismatch (686) Type: communicationsAlarm (4) Package: radioequipment Raised on class: radioequipment.RadioPortSpecifics	Severity: variable Implicitly cleared: true Default probable cause: linkIdentifierMismatch (501)	Unspecified
Description: The alarm is raised when an MSS detects a link identifier mismatch.		
Remedial action: Please refer 9500 Node Maintenance manual for remedial action information.		

Table 35-375 liSourceDisabled

Alarm	Attributes	Applicable major NE releases
Name: liSourceDisabled (563) Type: ConfigurationAlarm (15) Package: mirrorli Raised on class: mirrorli.LISourceCfg	Severity: warning Implicitly cleared: false Default probable cause: tMirrorSourceDisabled (433)	Unspecified
Description: The alarm is raised when an LI mirror source Operational State changes from Up to Down.		
Remedial action: Informational - no corrective action required.		

Table 35-376 liSourceEnabled

Alarm	Attributes	Applicable major NE releases
Name: liSourceEnabled (562) Type: ConfigurationAlarm (15) Package: mirrorli Raised on class: mirrorli.LISourceCfg	Severity: warning Implicitly cleared: false Default probable cause: tMirrorSourceEnabled (432)	Unspecified
Description: The alarm is raised when an LI mirror source Operational State changes from Down to Up.		
Remedial action: Informational - no corrective action required.		

Table 35-377 liSourceFilterAssignReject

Alarm	Attributes	Applicable major NE releases
Name: liSourceFilterAssignReject (557) Type: ConfigurationAlarm (15) Package: mirrorli Raised on class: mirrorli.LIMgmtSite	Severity: warning Implicitly cleared: false Default probable cause: tMirrorSourceFilterAssignReject (427)	Unspecified

(1 of 2)

35 – Unspecified NE alarms

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when an operator tries to modify a filter that is in use by LI.		
Remedial action: Informational - no corrective action required.		

(2 of 2)

Table 35-378 liSourceFilterAssignWarn

Alarm	Attributes	Applicable major NE releases
Name: liSourceFilterAssignWarn (559) Type: ConfigurationAlarm (15) Package: mirrorli Raised on class: mirrorli.LIMgmtSite	Severity: warning Implicitly cleared: false Default probable cause: tMirrorSourceFilterAssignWarn (429)	Unspecified
Description: The alarm is raised when an operator assigns a mirror filter that is in use by LI and the assignment may be overruled.		
Remedial action: Informational - no corrective action required.		

Table 35-379 liSourceFilterChanged

Alarm	Attributes	Applicable major NE releases
Name: liSourceFilterChanged (3313) Type: ConfigurationAlarm (15) Package: mirrorli Raised on class: mirrorli.LIMgmtSite	Severity: warning Implicitly cleared: false Default probable cause: tMirrorSourceLiFilterChanged (1152)	Unspecified
Description: The alarm is raised when a parameter of a filter which is referenced by Lawful Intercept (LI), or a parameter of one of its entry is changed. This notification may be triggered only if the LI filter lock is overruled, and one of the following actions occurs: -a filter referenced by LI has been deleted. -one of the parameters (default-action, scope) of a filter which is referenced by LI has been changed. -a filter which is referenced by LI is overwritten. -a new entry is created for a filter which is referenced by LI. -an entry of a filter which is referenced by LI is activated. -an entry is removed from a filter which is referenced by LI. -an entry of a filter which is referenced by LI is renumbered. -one of the parameters of an entry in a filter which is referenced by LI is changed.		
Remedial action: Informational - no corrective action required.		

Table 35-380 liSourceFilterOverruled

Alarm	Attributes	Applicable major NE releases
Name: liSourceFilterOverruled (558) Type: ConfigurationAlarm (15) Package: mirrorli Raised on class: mirrorli.LIMgmtSite	Severity: warning Implicitly cleared: false Default probable cause: tMirrorSourceFilterOverruled (428)	Unspecified
Description: The alarm is raised when the assignment of a mirror filter is overruled by another filter assignment.		
Remedial action: Informational - no corrective action required.		

Table 35-381 liSourceIP6FltrChangeReject

Alarm	Attributes	Applicable major NE releases
Name: liSourceIP6FltrChangeReject (4377) Type: ConfigurationAlarm (15) Package: mirrorli Raised on class: mirrorli.LIMirrorSiteCfg	Severity: warning Implicitly cleared: false Default probable cause: tMirrorSourceIP6FltrChangeReject (1562)	Unspecified
Description: The alarm is raised when an operator tries to modify an IPv6 filter or an IPv6 filter entry that is in use by LI.		
Remedial action: Informational - no corrective action required.		

Table 35-382 liSourceIPFltrChangeReject

Alarm	Attributes	Applicable major NE releases
Name: liSourceIPFltrChangeReject (552) Type: ConfigurationAlarm (15) Package: mirrorli Raised on class: mirrorli.LIMirrorSiteCfg	Severity: warning Implicitly cleared: false Default probable cause: tMirrorSourceIPFltrChangeReject (422)	Unspecified
Description: The alarm is raised when an operator tries to modify an IP filter or an IP filter entry that is in use by LI.		
Remedial action: Informational - no corrective action required.		

Table 35-383 liSourceMacFltrChangeReject

Alarm	Attributes	Applicable major NE releases
Name: liSourceMacFltrChangeReject (553) Type: ConfigurationAlarm (15) Package: mirrorli Raised on class: mirrorli.LIMirrorSiteCfg	Severity: warning Implicitly cleared: false Default probable cause: tMirrorSourceMacFltrChangeReject (423)	Unspecified
Description: The alarm is raised when an operator tries to modify a MAC filter or a MAC filter entry that is in use by LI.		
Remedial action: Informational - no corrective action required.		

Table 35-384 liSourceSapChange

Alarm	Attributes	Applicable major NE releases
Name: liSourceSapChange (560) Type: ConfigurationAlarm (15) Package: mirrorli Raised on class: mirrorli.liSourceInterface	Severity: warning Implicitly cleared: false Default probable cause: tMirrorSourceSapChange (430)	Unspecified

(1 of 2)

35 – Unspecified NE alarms

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when a SAP that is associated with LI is modified or deleted.		
Remedial action: Informational - no corrective action required.		

(2 of 2)

Table 35-385 liSourceSubscriberChange

Alarm	Attributes	Applicable major NE releases
Name: liSourceSubscriberChange (561) Type: ConfigurationAlarm (15) Package: mirrorli Raised on class: mirrorli.LISourceSubscriberHost	Severity: warning Implicitly cleared: false Default probable cause: tMirrorSourceSubChange (431)	Unspecified
Description: The alarm is raised when a subscriber that is associated with LI is modified or deleted.		
Remedial action: Informational - no corrective action required.		

Table 35-386 LocalRadioTxMuteAbnormalState

Alarm	Attributes	Applicable major NE releases
Name: LocalRadioTxMuteAbnormalState (3941) Type: localRadioTxMuteABNAlarm (117) Package: radioequipment Raised on class: radioequipment.RadioPortSpecifics	Severity: variable Implicitly cleared: true Default probable cause: LocalRadioTxMuteABNProblem (1523)	Unspecified
Description: The alarm is raised when abnormal state resulted due to local radio Tx is muted manually.		
Remedial action: The alarm is raised when abnormal state resulted due to local radio Tx is muted manually.		

Table 35-387 LODS

Alarm	Attributes	Applicable major NE releases
Name: LODS (805) Type: communicationsAlarm (4) Package: mpr Raised on class: mpr.IMALink	Severity: major Implicitly cleared: true Default probable cause: lossOfDelaySynchronization (571)	Unspecified
Description: The alarm is raised when a Loss of Delay Synchronization signal is detected on an ASAP MDA.		
Remedial action: Please refer 9500 Node Maintenance manual for remedial action information.		

Table 35-388 LoopbackActivateAbnormalState (equipment)

Alarm	Attributes	Applicable major NE releases
Name: LoopbackActivateAbnormalState (3942) Type: loopbackActivateABNAlarm (118) Package: equipment Raised on class: equipment.Port	Severity: variable Implicitly cleared: true Default probable cause: LoopbackActivateABNProblem (1524)	Unspecified
Description: The alarm is raised when abnormal state resulted due to loopback activated.		
Remedial action: The alarm is raised when abnormal state resulted due to manual loopback activation by user.		

Table 35-389 LoopbackActivateAbnormalState (radioequipment)

Alarm	Attributes	Applicable major NE releases
Name: LoopbackActivateAbnormalState (3942) Type: loopbackActivateABNAlarm (118) Package: radioequipment Raised on class: radioequipment.RadioPortSpecifics	Severity: variable Implicitly cleared: true Default probable cause: LoopbackActivateABNProblem (1524)	Unspecified
Description: The alarm is raised when abnormal state resulted due to loopback activated.		
Remedial action: The alarm is raised when abnormal state resulted due to manual loopback activation by user.		

Table 35-390 LoopProblem

Alarm	Attributes	Applicable major NE releases
Name: LoopProblem (1145) Type: communicationsAlarm (4) Package: radioequipment Raised on class: radioequipment.RadioPortSpecifics	Severity: variable Implicitly cleared: true Default probable cause: loopProblem (851)	Unspecified
Description: The alarm is raised when there is a loss of communication command path between far end transmitter and local receiver .		
Remedial action: Please refer 9500 Node Maintenance manual for remedial action information.		

35 – Unspecified NE alarms

Table 35-391 LossOfAlignment

Alarm	Attributes	Applicable major NE releases
Name: LossOfAlignment (629) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Equipment	Severity: variable Implicitly cleared: true Default probable cause: lossOfAlignment (468)	Unspecified
Description: The alarm is raised when a Loss of Alignment signal is detected.		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 35-392 LossOfCESoEthFrames

Alarm	Attributes	Applicable major NE releases
Name: LossOfCESoEthFrames (1168) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Port	Severity: variable Implicitly cleared: true Default probable cause: lossOfCESoEthFrames (870)	Unspecified
Description: The alarm is raised when an Ethernet frame loss is detected on a CES.		
Remedial action: The alarm is raised when a loss occurs on CES over Ethernet Frames.		

Table 35-393 LossOfESMC

Alarm	Attributes	Applicable major NE releases
Name: LossOfESMC (2939) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Equipment	Severity: variable Implicitly cleared: true Default probable cause: lossOfESMC (1131)	Unspecified
Description: The alarm is raised when a loss of ESMC signal failure is detected.		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 35-394 LossOfFrame (equipment)

Alarm	Attributes	Applicable major NE releases
Name: LossOfFrame (630) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Port	Severity: variable Implicitly cleared: true Default probable cause: lossOfFrame (97)	Unspecified
Description: The alarm is raised when an LOF is detected on a port.		
Remedial action: Please refer 9500 Node Maintenance manual for remedial action information.		

Table 35-395 LossOfPointer

Alarm	Attributes	Applicable major NE releases
Name: LossOfPointer (3623) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Port	Severity: variable Implicitly cleared: true Default probable cause: lossOfPointer (612)	Unspecified
Description: The alarm is raised when a loss of pointer occurs		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 35-396 LossOfProtection (equipment)

Alarm	Attributes	Applicable major NE releases
Name: LossOfProtection (1169) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Port	Severity: variable Implicitly cleared: true Default probable cause: lossOfProtection (871)	Unspecified
Description: The alarm is raised when an MPT radio protection loss occurs.		
Remedial action: The alarm is raised when a protection loss occurs on MPT Radio.		

35 – Unspecified NE alarms

Table 35-397 LossOfProtection (mpr)

Alarm	Attributes	Applicable major NE releases
Name: LossOfProtection (1169) Type: communicationsAlarm (4) Package: mpr Raised on class: mpr.VlanPathInstance	Severity: variable Implicitly cleared: true Default probable cause: lossOfProtection (871)	Unspecified
Description: The alarm is raised when a Loss of Protection occurs		
Remedial action: Please refer 9500 Node Maintenance manual for remedial action information.		

Table 35-398 LossOfRadioFrame

Alarm	Attributes	Applicable major NE releases
Name: LossOfRadioFrame (4828) Type: communicationsAlarm (4) Package: mwa Raised on class: mwa.PortTermination	Severity: variable Implicitly cleared: true Default probable cause: LossOfFrame (1904)	Unspecified
Description: The alarm is raised when a MPT detects a Loss of Radio Frame from Radio Path		
Remedial action: Please refer to either 9500 or 7705 Node Maintenance manual for remedial action information.		

Table 35-399 LossOfRadioFramesAlignment

Alarm	Attributes	Applicable major NE releases
Name: LossOfRadioFramesAlignment (4829) Type: communicationsAlarm (4) Package: mwa Raised on class: mwa.PortTermination	Severity: variable Implicitly cleared: true Default probable cause: LossOfAlignment (1917)	Unspecified
Description: The alarm is raised when a MPT detects a Loss of Radio Frames Alignment		
Remedial action: Please refer to either 9500 or 7705 Node Maintenance manual for remedial action information.		

Table 35-400 LossOfSignal (equipment)

Alarm	Attributes	Applicable major NE releases
Name: LossOfSignal (631) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Port	Severity: variable Implicitly cleared: true Default probable cause: lossOfSignal (99)	Unspecified

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when a Loss of Signal is detected on a port.		
Remedial action: Please refer 9500 Node Maintenance manual for remedial action information.		

(2 of 2)

Table 35-401 LowSwitchFabricCap

Alarm	Attributes	Applicable major NE releases
Name: LowSwitchFabricCap (5178) Type: hardwareAnomaly (55) Package: equipment Raised on class: equipment.Card	Severity: major Implicitly cleared: true Default probable cause: LowSwitchFabricCapacity (2094)	Unspecified
Description: The alarm is raised when the total switch fabric capacity becomes less than the line card capacity due to link failures. At least one of the taps on the Card is below 100% capacity.		
Remedial action: 1. Make sure that the hardware switching fabric capacity is more than the line card capacity. 2. Please reboot the card and check if it resolves the problem. If problem persists after reboot, please contact Alcatel-Lucent support for assistance.		

Table 35-402 LpsLearnMac

Alarm	Attributes	Applicable major NE releases
Name: LpsLearnMac (519) Type: learnedPortSecurityAlarm (51) Package: lps Raised on class: lps.LearnedPortSecurity	Severity: warning Implicitly cleared: true Default probable cause: portLearnedBridgedMAC (394)	Unspecified
Description: The alarm is raised when an LPS port learns a bridged MAC address.		
Remedial action: Informational - no corrective action required.		

Table 35-403 LpsPortUpAfterLearningWindowExpired

Alarm	Attributes	Applicable major NE releases
Name: LpsPortUpAfterLearningWindowExpired (517) Type: learnedPortSecurityAlarm (51) Package: lps Raised on class: lps.LPSConfiguration	Severity: warning Implicitly cleared: true Default probable cause: portUpAfterLearningWindowExpired (392)	Unspecified
Description: The alarm is raised either when an LPS port is enabled after the learning window expires and MAC address learning on the port is disabled, or when the learning window expires with slice and port values of 0.		
Remedial action: Informational - no corrective action required.		

35 – Unspecified NE alarms

Table 35-404 LsdbOverflow

Alarm	Attributes	Applicable major NE releases
Name: LsdbOverflow (53) Type: equipmentAlarm (3) Package: ospf Raised on class: ospf.Site	Severity: major Implicitly cleared: false Default probable cause: resourceFull (53)	Unspecified
Description: The alarm is raised when the number of received external LSAs exceeds the configured number allowed. By default, there is no limit. The alarm information includes the configured LSDB limit and one of the following LSDB overflow states: - 0, which means no overflow - 1, which means nearing limit - 2, which means limit exceeded		
Remedial action: Informational - the number of received external LSAs exceeds the configured number allowed. The alarm will also be raised when external LSAs is nearing limit.		

Table 35-405 LudbDhcpHostGroupIfTooLong

Alarm	Attributes	Applicable major NE releases
Name: LudbDhcpHostGroupIfTooLong (4627) Type: LudbDhcpHostGroupIfTooLongAlarm (129) Package: localuserdb Raised on class: localuserdb.DhcpHost	Severity: major Implicitly cleared: false Default probable cause: ludbDhcpHostGroupIfTooLong (1895)	Unspecified
Description: The alarm is raised when the default MSAP group interface name of a DHCP Host, concatenated with the port ID is longer than 32 characters.		
Remedial action: The string configured in DHCP Host as default MSAP Group Interface Name concatenated with the port-id is longer than 32 characters. It is an invalid configuration since it exceeds the length allowed for a Group Interface Name. (Please) Reconfigure the MSAP Group Interface Name or refer to the Local User Database documentation for assistance.		

Table 35-406 LudbPppHostGroupIfTooLong

Alarm	Attributes	Applicable major NE releases
Name: LudbPppHostGroupIfTooLong (4628) Type: LudbPppHostGroupIfTooLongAlarm (130) Package: localuserdb Raised on class: localuserdb.PppHost	Severity: major Implicitly cleared: false Default probable cause: ludbPppHostGroupIfTooLong (1896)	Unspecified
Description: The alarm is raised when the default MSAP group interface name of a PPP host, concatenated with the port ID is longer than 32 characters.		
Remedial action: The string configured in PPP Host as default MSAP Group Interface Name concatenated with the port-id is longer than 32 characters. It is an invalid configuration since it exceeds the length allowed for a Group Interface Name. (Please) Reconfigure the MSAP Group Interface Name or refer to the Local User Database documentation for assistance.		

Table 35-407 MacAccountingLimitReached (rtr)

Alarm	Attributes	Applicable major NE releases
Name: MacAccountingLimitReached (4907) Type: macAccountingAlarm (132) Package: rtr Raised on class: rtr.NetworkInterface	Severity: warning Implicitly cleared: true Default probable cause: macAccountingLimitReached (1964)	Unspecified
Description: The alarm is raised when the system detects that the MAC accounting table is full.		
Remedial action: This alarm can be cleared when the used MAC entries are deleted by disabling MAC accounting on a particular interface or through manual intervention with a user command such as clear router interface mac.		

Table 35-408 MacAccountingLimitReached (service)

Alarm	Attributes	Applicable major NE releases
Name: MacAccountingLimitReached (4907) Type: macAccountingAlarm (132) Package: service Raised on class: service.L3AccessInterface	Severity: warning Implicitly cleared: true Default probable cause: macAccountingLimitReached (1964)	Unspecified
Description: The alarm is raised when the system detects that the MAC accounting table is full.		
Remedial action: This alarm can be cleared when the used MAC entries are deleted by disabling MAC accounting on a particular interface or through manual intervention with a user command such as clear router interface mac.		

Table 35-409 MacPinningViolation

Alarm	Attributes	Applicable major NE releases
Name: MacPinningViolation (443) Type: serviceAlarm (16) Package: vpls Raised on class: vpls.AbstractSite	Severity: warning Implicitly cleared: false Default probable cause: macAddressPinned (348)	Unspecified
Description: The alarm is raised when an attempt is made to assign a pinned MAC address to another L2 access interface or spoke SDP binding in an M-VPLS or VPLS.		
Remedial action: Use a MAC address that is not already pinned.		

35 – Unspecified NE alarms

Table 35-410 ManagedRouteAddFailed

Alarm	Attributes	Applicable major NE releases
Name: ManagedRouteAddFailed (5130) Type: processingErrorAlarm (81) Package: rtr Raised on class: rtr.RoutingInstanceSite	Severity: minor Implicitly cleared: false Default probable cause: tmnxVRtrManagedRouteAddFailed (2060)	Unspecified
Description: The alarm is raised when a managed route could not be installed.		
Remedial action: Check the additional text of the alarm for more details.		

Table 35-411 ManagedRouteFailedRetryThresholdCrossed

Alarm	Attributes	Applicable major NE releases
Name: ManagedRouteFailedRetryThresholdCrossed (397) Type: topologyAlarm (34) Package: topology Raised on class: topology.RouteManager	Severity: major Implicitly cleared: true Default probable cause: managedRouteCouldNotBeSetup (298)	Unspecified
Description: The alarm is raised when the 5650 CPAM cannot set up a managed route after the number of attempts specified by the cpamManagedRoute problematicThresholdAlarmAfter value in the nms-server.xml file. The alarm is raised if the cpamManagedRoute problematicRetryStrategy value in nms-server.xml is set to countdown. The alarm is not raised if the problematicRetryStrategy value is set to the default of reactive.		
Remedial action: Informational - The Retry strategy can be modified in nms-server.xml. This alarm is not raised for the default retry strategy, reactive.		

Table 35-412 ManagedRouteRetryAttemptsExhausted

Alarm	Attributes	Applicable major NE releases
Name: ManagedRouteRetryAttemptsExhausted (398) Type: topologyAlarm (34) Package: topology Raised on class: topology.RouteManager	Severity: major Implicitly cleared: false Default probable cause: managedRouteCouldNotBeSetup (298)	Unspecified
Description: The alarm is raised when the 5650 CPAM stops trying to set up a managed route after the number of attempts specified by the cpamManagedRoute problematicDeadAfter value in the nms-server.xml file. The alarm is raised if the cpamManagedRoute problematicRetryStrategy value in nms-server.xml is set to countdown. The alarm is not raised if the problematicRetryStrategy value is set to the default value of reactive.		
Remedial action: Informational - The Retry strategy can be modified in nms-server.xml. This alarm is not raised for the default retry strategy, reactive.		

Table 35-413 ManagementVlanConflict

Alarm	Attributes	Applicable major NE releases
Name: ManagementVlanConflict (215) Type: configurationAlarm (11) Package: vlan Raised on class: vlan.Vlan	Severity: warning Implicitly cleared: true Default probable cause: topologyMisconfigured (81)	Unspecified
Description: The alarm is raised when a management VLAN ID is in use by another service type.		
Raising condition: ('managementVlanConflict' EQUAL 'true')		
Clearing condition: ('managementVlanConflict' EQUAL 'false')		
Remedial action: Ensure that the VLAN ID of this Management Service is not used on any other type of VLAN Service.		

Table 35-414 ManualCpaaSwitchover

Alarm	Attributes	Applicable major NE releases
Name: ManualCpaaSwitchover (5143) Type: configurationAlarm (11) Package: topology Raised on class: topology.Cpaa	Severity: warning Implicitly cleared: false Default probable cause: CPAASwitchover (2066)	Unspecified
Description: The alarm is raised when an operator has manually initiated a switchover. This alarm is not self clearing. Another switchover will not be permitted for 10 mins.		
Remedial action: Manual Switchover has been executed.		

Table 35-415 MaxNumExportRoutesReached

Alarm	Attributes	Applicable major NE releases
Name: MaxNumExportRoutesReached (1116) Type: ProtocolAlarm (1) Package: vprn Raised on class: vprn.AbstractSite	Severity: minor Implicitly cleared: true Default probable cause: MaxNumExportRoutesReached (828)	Unspecified
Description: The alarm is raised when the number of routes exported from a route table to a VRF reaches the configured maximum.		
Remedial action: Informational. The threshold configured should be revisited to ensure that it is not set to low given the number of routes that are being received. If the threshold is set close to the maximum number of routes supported by the NE then it is probable that there is an issue with another NE or VRF instance in the network. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 35-416 MaxNumIpv6RoutesReached

Alarm	Attributes	Applicable major NE releases
Name: MaxNumIpv6RoutesReached (505) Type: ProtocolAlarm (1) Package: I3fwd Raised on class: I3fwd.ServiceSite	Severity: major Implicitly cleared: true Default probable cause: MaxNumIpv6RouteReached (389)	Unspecified
Description: The alarm is raised when the number of IPv6 routes in a VPRN exceeds the configured maximum.		
Remedial action: The number of IPv6 routes has exceeded the configured maximum for the VPRN - the route table must be examined to ensure that all of the routes in the table are valid and not the result of a misconfiguration in the VPRN service. If all of the routes appear to be valid then the value used as the maximum value should be revisited.		

Table 35-417 MaxNumMcastRoutes

Alarm	Attributes	Applicable major NE releases
Name: MaxNumMcastRoutes (206) Type: ProtocolAlarm (1) Package: I3fwd Raised on class: I3fwd.Site	Severity: major Implicitly cleared: true Default probable cause: MaxNumMcastRoutesReached (160)	Unspecified
Description: The alarm is raised when the number of multicast routes in a VPRN exceeds the configured maximum.		
Remedial action: Informational. The number of multicast routes in a VPRN exceeds the configured maximum. The value used as the threshold value should be revisited.		

Table 35-418 MaxNumRoutesReached

Alarm	Attributes	Applicable major NE releases
Name: MaxNumRoutesReached (1198) Type: ProtocolAlarm (1) Package: I3fwd Raised on class: I3fwd.ServiceSite	Severity: major Implicitly cleared: false Default probable cause: MaxNumRoutesReached (898)	Unspecified
Description: The alarm is raised when the number of routes in a VPRN reaches the maximum number of routes specified in the VPRN configuration. The alarm information includes the number of routes, the specified maximum, and the route type, which is either IPv4 or IPv6.		
Remedial action: Informational. The threshold configured should be revisited to ensure that it is not set to low given the number of routes that are being received. If the threshold is set close to the maximum number of routes supported by the NE then it is probable that there is an issue with another NE or VRF instance in the network. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 35-419 MaxNumV6ExportRoutesReached

Alarm	Attributes	Applicable major NE releases
Name: MaxNumV6ExportRoutesReached (4398) Type: ProtocolAlarm (1) Package: vprn Raised on class: vprn.AbstractSite	Severity: minor Implicitly cleared: true Default probable cause: MaxNumV6ExportRoutesReached (1575)	Unspecified
Description: The alarm is raised when the number of IPv6 routes exported from a route table to a VRF reaches the configured maximum.		
Remedial action: Informational. The threshold configured should be revisited to ensure that it is not set to low given the number of routes that are being received. If the threshold is set close to the maximum number of routes supported by the NE then it is probable that there is an issue with another NE or VRF instance in the network. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 35-420 MaxPdnConnections

Alarm	Attributes	Applicable major NE releases
Name: MaxPdnConnections (4795) Type: EpcAlarm (59) Package: lte Raised on class: lte.PdnApn	Severity: major Implicitly cleared: true Default probable cause: thresholdCrossed (12)	Unspecified
Description: The alarm is generated when the maximum number of Packet Data Network (PDN) connections for this Access Point Name (APN) on the gateway is reached.		
Remedial action: Maximum number of PDN connections for this APN on the gateway is reached. To accept new PDN connections, system has to wait until the number of PDN connections goes below the value of PdnApnMaxPdnConnections.		

Table 35-421 McacPolicyDropped (igmp)

Alarm	Attributes	Applicable major NE releases
Name: McacPolicyDropped (341) Type: communicationsAlarm (4) Package: igmp Raised on class: igmp.Interface	Severity: major Implicitly cleared: false Default probable cause: igmpGroupOnSapDropped (246)	Unspecified
Description: The alarm is raised when an IGMP group is dropped because a multicast CAC policy is applied.		
Remedial action: Informational - no corrective action required.		

Table 35-422 McacPolicyDropped (pim)

Alarm	Attributes	Applicable major NE releases
Name: McacPolicyDropped (341) Type: communicationsAlarm (4) Package: pim Raised on class: pim.Interface	Severity: major Implicitly cleared: false Default probable cause: pimGroupOnSapDropped (266)	Unspecified
Description: The alarm is raised when a PIM group is dropped because a multicast CAC policy is applied.		
Remedial action: Informational only.		

Table 35-423 McacPolicyDropped (svt)

Alarm	Attributes	Applicable major NE releases
Name: McacPolicyDropped (341) Type: communicationsAlarm (4) Package: svt Raised on class: svt.SdpBindingIgmppSnpGCfg	Severity: major Implicitly cleared: false Default probable cause: igmpGroupOnSdpBindDropped (265)	Unspecified
Description: The alarm is raised when an IGMP group is dropped because a multicast CAC policy is applied to an SDP binding.		
Remedial action: Informational only.		

Table 35-424 McacPolicyDropped (vpls)

Alarm	Attributes	Applicable major NE releases
Name: McacPolicyDropped (341) Type: communicationsAlarm (4) Package: vpls Raised on class: vpls.L2AccessInterfaceIgmppSnpGCfg	Severity: major Implicitly cleared: false Default probable cause: igmpGroupOnSapDropped (246)	Unspecified
Description: The alarm is raised when an IGMP group is removed from a SAP because a multicast CAC policy is applied.		
Remedial action: Informational only.		

Table 35-425 McastRoutesMidLevelThresholdReached

Alarm	Attributes	Applicable major NE releases
Name: McastRoutesMidLevelThresholdReached (207) Type: ProtocolAlarm (1) Package: I3fwd Raised on class: I3fwd.Site	Severity: minor Implicitly cleared: false Default probable cause: MidLevelThresholdReached (161)	Unspecified
Description: The alarm is raised when the number of multicast routes in a VPRN exceeds the configured threshold value. The alarm information includes the number of multicast routes and the threshold value.		
Remedial action: the number of multicast routes in a VPRN exceeds the configured threshold value. The value used as the threshold value should be revisited.		

Table 35-426 McIPsecTunnelGroupSyncTagMisconfigured

Alarm	Attributes	Applicable major NE releases
Name: McIPsecTunnelGroupSyncTagMisconfigured (4817) Type: redundancyAlarm (52) Package: multichassis Raised on class: multichassis.MultiChassisIPSecGroup	Severity: major Implicitly cleared: true Default probable cause: ipsecGroupSyncTagMisconfigure (1902)	Unspecified
Description: The alarm is raised when a peer of MC IPsec tunnel groups has unconfigured or mismatched synchronization tag.		
Raising condition: (('Synchronization Tag' NOT EQUAL 'Synchronization Tag') OR (('Synchronization Tag' EQUAL '\\"') OR ('Synchronization Tag' EQUAL '\\"'))		
Clearing condition: (('Synchronization Tag' EQUAL 'Synchronization Tag') AND (('Synchronization Tag' NOT EQUAL '\\"') AND ('Synchronization Tag' NOT EQUAL '\\"'))		
Remedial action: Check if the synchronization tag has been configured for the MC IPsec tunnel group peer and they matches.		

Table 35-427 McLagSourceBMacLsbMisconfigured (lag)

Alarm	Attributes	Applicable major NE releases
Name: McLagSourceBMacLsbMisconfigured (776) Type: configurationAlarm (11) Package: lag Raised on class: lag.MultiChassisLag	Severity: major Implicitly cleared: true Default probable cause: McLagSourceBMacLsbMisconfigured (551)	Unspecified
Description: The alarm is raised when the 5620 SAM detects a mismatch in the last 16 bits of the source backbone MAC address on the peer device. This mismatch prevents PBB access dual homing from operating.		
Raising condition: ('srcBMacLSBMisconfigured' EQUAL 'true')		
Clearing condition: ('srcBMacLSBMisconfigured' EQUAL 'false')		
Remedial action: Check the MAC Address LSB is correct for source backbone address.		

35 – Unspecified NE alarms

Table 35-428 McLagSourceBMacLsbMisconfigured (multichassis)

Alarm	Attributes	Applicable major NE releases
Name: McLagSourceBMacLsbMisconfigured (776) Type: configurationAlarm (11) Package: multichassis Raised on class: multichassis.MultiChassisLag	Severity: major Implicitly cleared: true Default probable cause: McLagSourceBMacLsbMisconfigured (551)	Unspecified
Description: The alarm is raised when the 5620 SAM detects a mismatch in the last 16 bits of the source backbone MAC address on the peer device. This mismatch prevents PBB access dual homing from operating.		
Raising condition: ('srcBMacLSBMisconfigured' EQUAL 'true')		
Clearing condition: ('srcBMacLSBMisconfigured' EQUAL 'false')		
Remedial action: Check the MAC Address LSB is correct for source backbone address.		

Table 35-429 McMobileGeoRedChgInfo

Alarm	Attributes	Applicable major NE releases
Name: McMobileGeoRedChgInfo (4380) Type: equipmentAlarm (3) Package: multichassis Raised on class: multichassis.MultiChassisPeerMobileGateway	Severity: warning Implicitly cleared: false Default probable cause: equipmentAlarm (1565)	Unspecified
Description: The alarm is raised when the mobile-gateway or the CPM has changed its geo-redundancy state or the peer's connection status has changed.		
Remedial action: Check what caused this state change. Bring the peer and/or peer-link up and ensure that the chassis and CPM geo-redundancy states are 'hot'.		

Table 35-430 McMobileIssuStateChange

Alarm	Attributes	Applicable major NE releases
Name: McMobileIssuStateChange (5119) Type: integrityViolation (85) Package: multichassis Raised on class: multichassis.MultiChassisPeerMobileSpecifics	Severity: warning Implicitly cleared: true Default probable cause: mismatchPeerSets (199)	Unspecified
Description: The alarm is raised when ISSU state between the mobile-gateways participating in the geo-redundancy changes		
Remedial action: Check what caused this change in ISSU state and correct the issue for geo-redundancy to work.		

Table 35-431 McPathBlackHole

Alarm	Attributes	Applicable major NE releases
Name: McPathBlackHole (2940) Type: resourceAlarm (28) Package: equipment Raised on class: equipment.DaughterCard	Severity: critical Implicitly cleared: true Default probable cause: resourceLimitReached (131)	Unspecified
Description: The alarm is raised when a multicast (S,G) specification enters a black-hole state.		
Remedial action: The alarm is raised when a source, group (S,G) goes into a black-hole state. The situation may occur when a certain source, group(S,G) has a bandwidth higher than it's configured maximum and no path/plane that can accommodate for the bandwidth of the new stream. This can be remedied by increasing the path limit(iom2 and older) or plane limit (iom3 and newer) at the Daughter Card tab or by modifying Ingress Multicast Path Management policy which assigned to the card.		

Table 35-432 McPathsBlackHole

Alarm	Attributes	Applicable major NE releases
Name: McPathsBlackHole (4903) Type: resourceAlarm (28) Package: equipment Raised on class: equipment.DaughterCard	Severity: critical Implicitly cleared: false Default probable cause: resourceLimitReached (131)	Unspecified
Description: The alarm is raised when one or more multicast (S,G) specifications enters a black-hole state.		
Remedial action: The alarm is raised when one or more source, group (S,G) goes into a black-hole state. The situation may occur when a certain source, group (S,G) has a bandwidth higher than it's configured maximum and no path/plane that can accommodate for the bandwidth of the new stream. This can be remedied by increasing the path limit(iom2 and older) or plane limit (iom3 and newer) at the Daughter Card tab or by modifying Ingress Multicast Path Management policy which assigned to the card.		

Table 35-433 MD5AuthFailure

Alarm	Attributes	Applicable major NE releases
Name: MD5AuthFailure (2934) Type: communicationsAlarm (4) Package: bgp Raised on class: bgp.Md5Key	Severity: major Implicitly cleared: false Default probable cause: md5AuthFailure (1128)	Unspecified
Description: The alarm is raised when an incoming packet is dropped because of BGP MD5 key authentication failure.		
Remedial action: A configuration error has been made which must be corrected. The MD5 authentication key configured is incorrect.		

35 – Unspecified NE alarms

Table 35-434 MFibTableSizeLimitReached

Alarm	Attributes	Applicable major NE releases
Name: MFibTableSizeLimitReached (190) Type: resourceAlarm (28) Package: vpls Raised on classes: <ul style="list-style-type: none"> vpls.AbstractTlsSite vpls.AbstractBSite 	Severity: warning Implicitly cleared: true Default probable cause: resourceLimitReached (131)	Unspecified
Description: The alarm is raised when the 5620 SAM receives a svcTlsMfibTableFullAlarmRaised trap for a VPLS site. The alarm clears when the 5620 SAM receives a svcTlsMfibTableFullAlarmCleared trap for the site.		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why		

Table 35-435 MGMCSwitchOverStatusNotify

Alarm	Attributes	Applicable major NE releases
Name: MGMCSwitchOverStatusNotify (4814) Type: processingErrorAlarm (81) Package: multichassis Raised on class: multichassis.MultiChassisPeerMobileGateway	Severity: info Implicitly cleared: false Default probable cause: configurationOrCustomizationError (902)	Unspecified
Description: The alarm is raised when the status of switchover enforced on the mobile-gateway in geo-redundancy changes		
Remedial action: Check switchover failure reason and correct the issue in order to perform switchover.		

Table 35-436 MgwPeerConnectionStateAlarm

Alarm	Attributes	Applicable major NE releases
Name: MgwPeerConnectionStateAlarm (4399) Type: connectionStateChangeAlarm (125) Package: wlangw Raised on class: wlangw.MgwPeer	Severity: minor Implicitly cleared: false Default probable cause: MgwPeerConnectionStateAlarm (1576)	Unspecified
Description: This alarm is raised when the state of a connection with a Mobile Gateway has changed. [CAUSE] The state of a connection with a Mobile Gateway has changed to Fault. [EFFECT] The effect depends on the new state. [RECOVERY] No recovery is required on this system.		
Remedial action: Fault occurred on the connection with Mobile Gateway. Check the physical connection and interfaces between Mobile Gateway and WLAN Gateway.		

Table 35-437 MgwPeerGtpMismatchAlarm

Alarm	Attributes	Applicable major NE releases
Name: MgwPeerGtpMismatchAlarm (5144) Type: configurationAlarm (11) Package: wlangw Raised on class: wlangw.MgwPeer	Severity: minor Implicitly cleared: false Default probable cause: MgwPeerGtpMismatchAlarm (2067)	Unspecified
Description: This alarm is raised when the Negotiated QoS profile RADIUS attribute contains a release indicator either for GGSN or PGW that does not correspond to the interface type actually used in GTP. e.g. the release indicator is for GGSN and the interface type used in GTP is S2a/S2b while it should be Gn.		
Remedial action: The RADIUS Server configuration should be corrected to match the MgwPeer interface type actually used in GTP.		

Table 35-438 MicroBFDSessionDown

Alarm	Attributes	Applicable major NE releases
Name: MicroBFDSessionDown (4997) Type: InkaggAlarm (56) Package: lag Raised on class: lag.Interface	Severity: minor Implicitly cleared: true Default probable cause: LagMemberMicroBfdSessionStateChanged (2051)	Unspecified
Description: The alarm is raised when there is a change in the state of the micro-BFD session of a link (port) of the LAG. When the state is 'idle', 'failed', 'waitingFwd', 'up', then the port is forwarding traffic. When the state is 'waiting', 'down', then the port is not forwarding traffic.		
Remedial action: Micro BFD Session state of one of the LAG links is changed. Please check the LAG's BFD configuration or the configuration of the LAG and the Ports in it.		

Table 35-439 MidLevelIPv6RoutesReached

Alarm	Attributes	Applicable major NE releases
Name: MidLevelIPv6RoutesReached (506) Type: ProtocolAlarm (1) Package: I3fwd Raised on class: I3fwd.ServiceSite	Severity: minor Implicitly cleared: false Default probable cause: MidLevelIPv6RoutesReached (390)	Unspecified
Description: The alarm is raised when the number of IPv6 routes in a VPRN exceeds the configured threshold value. The alarm information includes the number of IPv6 routes and the threshold value.		
Remedial action: The number of IPv6 routes has exceeded the configured maximum for the VPRN - the route table must be examined to ensure that all of the routes in the table are valid and not the result of a misconfiguration in the VPRN service. If all of the routes appear to be valid then the value used as the threshold value should be revisited.		

35 – Unspecified NE alarms

Table 35-440 MidLevelRoutesReached

Alarm	Attributes	Applicable major NE releases
Name: MidLevelRoutesReached (1199) Type: ProtocolAlarm (1) Package: I3fwd Raised on class: I3fwd.ServiceSite	Severity: minor Implicitly cleared: false Default probable cause: MidLevelRoutesReached (899)	Unspecified
Description: The alarm is raised when the number of routes in a VPRN exceeds the threshold specified in the VPRN configuration. The threshold value is a percentage of the maximum number of routes specified in the VPRN configuration. The alarm information includes the number of routes and the threshold value.		
Remedial action: Informational. The threshold configured should be revisited to ensure that it is not set to low given the number of routes that are being received. If the threshold is set close to the maximum number of routes supported by the NE then it is probable that there is an issue with another NE or VRF instance in the network. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 35-441 MirrorDestinationMisconfigured

Alarm	Attributes	Applicable major NE releases
Name: MirrorDestinationMisconfigured (209) Type: configurationAlarm (11) Package: mirror Raised on class: mirror.Mirror	Severity: major Implicitly cleared: true Default probable cause: mirrorDestinationMisconfigured (162)	Unspecified
Description: The alarm is raised when more than two destination Sites are configured for a service mirror.		
Raising condition: ('destinationMisconfigured' EQUAL 'true')		
Clearing condition: ('destinationMisconfigured' EQUAL 'false')		
Remedial action: Delete destination site so that there are two or less destination sites in one Mirror service.		

Table 35-442 MirrorEncapsulationTypeInconsistent

Alarm	Attributes	Applicable major NE releases
Name: MirrorEncapsulationTypeInconsistent (217) Type: configurationAlarm (11) Package: mirror Raised on class: mirror.Mirror	Severity: major Implicitly cleared: true Default probable cause: mirrorEncapsulationTypeInconsistent (171)	Unspecified
Description: The alarm is raised when the encapsulation types of the mirror sites differ.		
Raising condition: ('encapsulationTypeInconsistent' EQUAL 'true')		
Clearing condition: ('encapsulationTypeInconsistent' EQUAL 'false')		
Remedial action: Reconfigure the 'Encapsulation Type' for the sites (delete and re-add the sites if not configurable) so that the 'Encapsulation Type' are the same in one Mirror service.		

Table 35-443 MisconfiguredInflow

Alarm	Attributes	Applicable major NE releases
Name: MisconfiguredInflow (1067) Type: communicationsAlarm (4) Package: mpr Raised on class: mpr.VlanPathInstance	Severity: major Implicitly cleared: true Default probable cause: misconfiguredInflow (809)	Unspecified
Description: The alarm is raised when the ports in a service use different inflow clock sources.		
Remedial action: Configured inflow is not in sync with the configuration on the NE. Please check for Mismatch.		

Table 35-444 mismatchAnyCastRPTypes

Alarm	Attributes	Applicable major NE releases
Name: mismatchAnyCastRPTypes (270) Type: configurationAlarm (11) Package: pim Raised on class: pim.AnyCastRP	Severity: warning Implicitly cleared: false Default probable cause: mismatchAnyCastRPTypes (202)	Unspecified
Description: The alarm is raised when there is an anycast RP type mismatch.		
Remedial action: A configuration error has occurred that must be corrected. Please check to make sure the global Virtual Anycast RP service type and this PIM Anycast RP service type are consistent.		

Table 35-445 mismatchBackupAddress

Alarm	Attributes	Applicable major NE releases
Name: mismatchBackupAddress (279) Type: configurationAlarm (11) Package: vrrp Raised on class: vrrp.VRInstance	Severity: minor Implicitly cleared: false Default probable cause: mismatchBackupAddress (212)	Unspecified
Description: The alarm is raised when two VR instances in a VR have different backup addresses.		
Remedial action: Reconfigure the backup addresses for the peer VRRP instances so that they are the same.		

Table 35-446 mismatchSubnets

Alarm	Attributes	Applicable major NE releases
Name: mismatchSubnets (280) Type: configurationAlarm (11) Package: vrrp Raised on class: vrrp.VRInstance	Severity: major Implicitly cleared: true Default probable cause: mismatchSubnets (213)	Unspecified
Description: The alarm is raised when two VR Instances in a VR have backup addresses that are in different subnets.		
Remedial action: Reconfigure the ip addresses for the peer VRRP instances so that they are in the same subnets.		

Table 35-447 mismatchVrrpTypes

Alarm	Attributes	Applicable major NE releases
Name: mismatchVrrpTypes (278) Type: configurationAlarm (11) Package: vrrp Raised on class: vrrp.VRInstance	Severity: minor Implicitly cleared: true Default probable cause: mismatchVrrpTypes (211)	Unspecified
Description: The alarm is raised when two VR instances in a VR are of different types, for example, when one VR instance type is Network and the other is IES.		
Raising condition: (('VRRP Type' NOT EQUAL 'VRRP Type'))		
Clearing condition: (('VRRP Type' EQUAL 'VRRP Type'))		
Remedial action: Reconfigure the VRRP instance peers so that they are from the same type of interfaces (Network, IES or VPRN).		

Table 35-448 MissingFallingEvent

Alarm	Attributes	Applicable major NE releases
Name: MissingFallingEvent (414) Type: configurationAlarm (11) Package: rmon Raised on class: rmon.Alarm	Severity: major Implicitly cleared: false Default probable cause: incompleteConfig (225)	Unspecified
Description: The alarm is raised when the 5620 SAM cannot find the falling event object that is named in an RMON policy alarm definition.		
Raising condition: ('Missing Falling Event' EQUAL 'true')		
Clearing condition: ('Missing Falling Event' EQUAL 'false')		
Remedial action: Cannot find the falling event object that is named in an RMON policy alarm definition. Please create the required event.		

Table 35-449 MissingHopConfiguration

Alarm	Attributes	Applicable major NE releases
Name: MissingHopConfiguration (350) Type: configurationAlarm (11) Package: mpls Raised on class: mpls.StaticLsp	Severity: warning Implicitly cleared: true Default probable cause: MissingHopConfiguration (252)	Unspecified
Description: The alarm is raised when a static LSP is created without hops.		
Remedial action: Need to configure static hops to the destination.		

Table 35-450 MissingNESelfConfigPolicy

Alarm	Attributes	Applicable major NE releases
Name: MissingNESelfConfigPolicy (1944) Type: communicationsAlarm (4) Package: netw Raised on class: netw.TopologyDiscoveryRule	Severity: major Implicitly cleared: false Default probable cause: noNESelfConfigPolicyFound (932)	Unspecified
Description: The alarm is raised when an identifier of a shadow NE matches the identifier of a node being discovered by a scan of this discovery rule, but there is no NE self-config policy for the node type set in this discovery rule.		
Remedial action: A configuration error has been made which must be corrected. Create a NE self-config policy and assign it to the discovery rule associated with the node being discovered.		

Table 35-451 MissingPreProvisionedNode

Alarm	Attributes	Applicable major NE releases
Name: MissingPreProvisionedNode (1945) Type: communicationsAlarm (4) Package: netw Raised on class: netw.DiscoveredNode	Severity: major Implicitly cleared: true Default probable cause: noPreProvisionedNodeFound (933)	Unspecified
Description: The alarm is raised when there is no pre-provisioned NE with which to associate the discovered candidate target NE.		
Remedial action: A configuration error has been made which must be corrected. Create a pre-provisioned NE for the node being discovered.		

35 – Unspecified NE alarms

Table 35-452 MissingRisingEvent

Alarm	Attributes	Applicable major NE releases
Name: MissingRisingEvent (413) Type: configurationAlarm (11) Package: rmon Raised on class: rmon.Alarm	Severity: major Implicitly cleared: false Default probable cause: incompleteConfig (225)	Unspecified
Description: The alarm is raised when the 5620 SAM cannot find the rising event object that is named in an RMON policy alarm definition.		
Raising condition: ('Missing Rising Event' EQUAL 'true')		
Clearing condition: ('Missing Rising Event' EQUAL 'false')		
Remedial action: Cannot find the rising event object that is named in an RMON policy alarm definition. Please create the required event.		

Table 35-453 missingStaticRPConfigurations

Alarm	Attributes	Applicable major NE releases
Name: missingStaticRPConfigurations (268) Type: configurationAlarm (11) Package: pim Raised on class: pim.VirtualAnyCastRP	Severity: warning Implicitly cleared: true Default probable cause: missingStaticRPConfigurations (200)	Unspecified
Description: The alarm is raised when a static RP configuration is missing.		
Remedial action: A configuration error has occurred that must be corrected. Please check the global Virtual Anycast RP configuration and its operational status flag so that the Static RP and Group Range(s) are all configured.		

Table 35-454 MissSpokeConfiguration

Alarm	Attributes	Applicable major NE releases
Name: MissSpokeConfiguration (218) Type: configurationAlarm (11) Package: vpls Raised on class: vpls.AbstractVpls	Severity: warning Implicitly cleared: true Default probable cause: missSpokeConfiguration (172)	Unspecified
Description: The alarm is raised when the 5620 SAM detects a spoke SDP binding between two sites in one M-VPLS or VPLS. The alarm is not raised by the 5620 SAM, Release 4.0 or later.		
Raising condition: ('missSpokeConfiguration' EQUAL 'true')		
Clearing condition: ('missSpokeConfiguration' EQUAL 'false')		
Remedial action: Deprecated since Rel. 4.0		

Table 35-455 MldGrpIfSapCModeRxQueryMism

Alarm	Attributes	Applicable major NE releases
Name: MldGrpIfSapCModeRxQueryMism (5390) Type: configurationAlarm (11) Package: mld Raised on class: mld.GrpInterfaceSap	Severity: warning Implicitly cleared: false Default probable cause: InvalidCompatibilityModeofQueryReceived (2106)	Unspecified
Description: The alarm is raised when there is a mismatch between the compatible mode of the MLD SAP and the version of the received query. It is generated when the SAP is in MLDv1 compatible mode but it receives an MLDv2. It will include information on the configured version of the compatibility mode of the SAP, and the version of the received query.		
Remedial action: Change the MLD Version attribute on the MLD Group Interface to match the MLD host version.		

Table 35-456 MldGrpIfSapMaxGroupsLimitExceeded

Alarm	Attributes	Applicable major NE releases
Name: MldGrpIfSapMaxGroupsLimitExceeded (5391) Type: configurationAlarm (11) Package: mld Raised on class: mld.GrpInterfaceSap	Severity: warning Implicitly cleared: false Default probable cause: MldGrpIfSapMaxGroupsLimitExceeded (2107)	Unspecified
Description: 'This alarm is raised when an attempt is made to configure a group when the number of groups configured on the SAP, is equal to the 'Maximum Number of Groups' supported on the SAP.'		
Remedial action: Increase the value of the 'Maximum Number of Groups' attribute in the parent MLD group interface so that the number of active MLD groups stays under the configured threshold.		

Table 35-457 MldGrpIfSapMaxGrpSrcLimExcd

Alarm	Attributes	Applicable major NE releases
Name: MldGrpIfSapMaxGrpSrcLimExcd (5392) Type: configurationAlarm (11) Package: mld Raised on class: mld.GrpInterfaceSap	Severity: warning Implicitly cleared: false Default probable cause: MldGrpIfSapMaxGrpSrcLimExcd (2108)	Unspecified
Description: This alarm is raised when an attempt is made to configure a group source for a group when the number of group sources is equal to the 'Maximum Number of Group Sources' per group supported on the SAP.		
Remedial action: Increase the value of the 'Maximum Number Of Group Sources' attribute in the parent MLD group interface so that the number of active MLD Group sources stays under the configured threshold.		

Table 35-458 MldGrpIfSapMaxSourcesLimitExceeded

Alarm	Attributes	Applicable major NE releases
Name: MldGrpIfSapMaxSourcesLimitExceeded (5393) Type: configurationAlarm (11) Package: mld Raised on class: mld.GrpInterfaceSap	Severity: warning Implicitly cleared: false Default probable cause: MldGrpIfSapMaxSourcesLimitExceeded (2109)	Unspecified
Description: 'This alarm is raised when an attempt is made to configure a source for a group when the number of sources for this group is equal to the 'Maximum Number of Sources' per group supported on the SAP.'		
Remedial action: Increase the value of the 'Maximum Number Of Sources' attribute in the parent MLD group interface so that the number of active MLD sources stays under the configured threshold.		

Table 35-459 MldGrpIfSapRxQueryVerMism

Alarm	Attributes	Applicable major NE releases
Name: MldGrpIfSapRxQueryVerMism (5394) Type: configurationAlarm (11) Package: mld Raised on class: mld.GrpInterfaceSap	Severity: warning Implicitly cleared: false Default probable cause: InvalidVersionofQueryMessageReceived (129)	Unspecified
Description: The alarm is raised when the MLD host SAP is configured as MLDv2 but receives an MLDv1 Query. It will include information on the configured version of the SAP, and the version of the received query.		
Remedial action: Change the MLD Version attribute on the MLD Group Interface to match the MLD host version.		

Table 35-460 MldSnpgGrpDroppedLimitExceeded

Alarm	Attributes	Applicable major NE releases
Name: MldSnpgGrpDroppedLimitExceeded (537) Type: AccessInterfaceAlarm (32) Package: vpls Raised on class: vpls.L2AccessInterfaceMldSnpgCfg	Severity: warning Implicitly cleared: false Default probable cause: mldSnpgGrpMaxNbrGrpsReached (406)	Unspecified
Description: The alarm is raised when a SAP drops an MLD group because the configurable maximum number of MLD groups on the SAP is reached.		
Remedial action: Increasing the maximum number of MLD Groups to prevent groups from being dropped.		

Table 35-461 MlpppBundleInterleavingDisabled

Alarm	Attributes	Applicable major NE releases
Name: MlpppBundleInterleavingDisabled (4383) Type: other (123) Package: netw Raised on class: netw.NetworkElement	Severity: minor Implicitly cleared: true Default probable cause: mlpppBundleInterleavingDisabled (1567)	Unspecified
Description: The alarm is raised when the 'Link Fragmentation and LFI' bit is set but LFI isn't active for MLPPP Bundle. It is cleared for other cases. If LFI is not desired, disable it in the L2TP MLPPP configuration of the related routing instance. Or, ensure that the MLPPP bundle only contains a single link.		
Remedial action: If LFI is not desired, disable it in the L2TP MLPPP configuration of the related routing instance. Or, ensure that the MLPPP bundle only contains a single link.		

Table 35-462 MobGwSysGrpWriteCdrToCfAlarm

Alarm	Attributes	Applicable major NE releases
Name: MobGwSysGrpWriteCdrToCfAlarm (3634) Type: MgGroupAlarm (75) Package: isa Raised on class: isa.MgIsaGroup	Severity: major Implicitly cleared: true Default probable cause: MobGwSysGrpWriteCdrToCfStop (1418)	Unspecified
Description: The alarm is raised when the SGW or PGW writes Charging Data Record (CDR) packets to the local compact flash for the mobile system group.		
Remedial action: Retrieve Charging Data Record (CDR) files from compact flash.		

Table 35-463 ModFail

Alarm	Attributes	Applicable major NE releases
Name: ModFail (1171) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Equipment	Severity: variable Implicitly cleared: true Default probable cause: modFail (872)	Unspecified
Description: The alarm is raised when a modulation failure is detected.		
Remedial action: Please refer 9500 Node Maintenance manual for remedial action information.		

35 – Unspecified NE alarms

Table 35-464 ModLOS

Alarm	Attributes	Applicable major NE releases
Name: ModLOS (1172) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Equipment	Severity: variable Implicitly cleared: true Default probable cause: modLOS (873)	Unspecified
Description: The alarm is raised when a modulation loss of signal is detected.		
Remedial action: Please refer 9500 Node Maintenance manual for remedial action information.		

Table 35-465 ModuleOutOfMemory

Alarm	Attributes	Applicable major NE releases
Name: ModuleOutOfMemory (180) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: false Default probable cause: outOfMemory (142)	Unspecified
Description: The alarm is raised when the available NE memory is insufficient for allocation to a task.		
Remedial action: Informational - If the alarm persists please contact Alcatel-Lucent support for assistance		

Table 35-466 MplsResignalTimerExpired

Alarm	Attributes	Applicable major NE releases
Name: MplsResignalTimerExpired (1121) Type: ProtocolAlarm (1) Package: mpls Raised on class: mpls.Site	Severity: info Implicitly cleared: false Default probable cause: resignalTimerExpired (833)	Unspecified
Description: The alarm is raised when an MPLS instance resignal timer expires.		
Remedial action: Informational only.		

Table 35-467 MprVIIDown

Alarm	Attributes	Applicable major NE releases
Name: MprVIIDown (1139) Type: serviceDown (88) Package: mpr Raised on class: mpr.MprVII	Severity: major Implicitly cleared: true Default probable cause: vlanPathInstanceDown (524)	Unspecified

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when the Operational State of a VLAN path instance is Down. It could be caused by one of the following conditions: - The radio link is down. - A cross connect is deleted. - The Operational State of one or more ports in the cross connect is Down.		
Remedial action: Components of the VLL service, site, ports and or links may be down. Please check the components for root cause.		

(2 of 2)

Table 35-468 MPTCardFailure

Alarm	Attributes	Applicable major NE releases
Name: MPTCardFailure (4830) Type: equipmentAlarm (3) Package: mwa Raised on class: mwa.PortTermination	Severity: variable Implicitly cleared: true Default probable cause: ReplaceableUnitProblem (1905)	Unspecified
Description: This alarm is raised when MPT card failure is detected.		
Remedial action: Please refer to either 9500 or 7705 Node Maintenance manual for remedial action information.		

Table 35-469 MPTPlugInCardFailure

Alarm	Attributes	Applicable major NE releases
Name: MPTPlugInCardFailure (4831) Type: equipmentAlarm (3) Package: mwa Raised on class: mwa.PortTermination	Severity: variable Implicitly cleared: true Default probable cause: ReplaceableUnitProblem (1905)	Unspecified
Description: This alarm is raised when RPS/XPIC Plug-in card failure is detected.		
Remedial action: Please refer to either 9500 or 7705 Node Maintenance manual for remedial action information.		

Table 35-470 MPTPowerSupplyFailure

Alarm	Attributes	Applicable major NE releases
Name: MPTPowerSupplyFailure (1170) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: variable Implicitly cleared: true Default probable cause: powerSupplyFailure (117)	Unspecified
Description: The alarm is raised when an MPT radio power source has a power supply failure.		
Remedial action: Please refer 9500 Node Maintenance manual for remedial action information.		

35 – Unspecified NE alarms

Table 35-471 msapCreationFailure

Alarm	Attributes	Applicable major NE releases
Name: msapCreationFailure (740) Type: ConfigurationAlarm (15) Package: vpls Raised on class: vpls.L2AccessInterface	Severity: warning Implicitly cleared: false Default probable cause: creationFailure (515) Applicable probable causes: <ul style="list-style-type: none"> creationFailure radiusAuthFailed 	Unspecified
Description: The alarm is raised when an NE notifies the 5620 SAM that it cannot create an MSAP.		
Remedial action: This warning is raised when the NE fails to create an MSAP. Please review the alarm's additional text to obtain information about the error condition. Possible problems can be mis-configuration of the capture SAP, authentication failures, a missing target service or interface, illegal trigger packets and more.		

Table 35-472 MsdpActSrcLimExcd

Alarm	Attributes	Applicable major NE releases
Name: MsdpActSrcLimExcd (380) Type: communicationsAlarm (4) Package: msdp Raised on class: msdp.Site	Severity: warning Implicitly cleared: false Default probable cause: MsdpActiveSourcesLimitExceeded (279)	Unspecified
Description: The alarm is raised when an MSDP site receives a number of source active messages that exceeds the configured maximum.		
Remedial action: Increase the configurable maximum number of source active messages if possible.		

Table 35-473 MsdpGroupSrcActMsgsExcd

Alarm	Attributes	Applicable major NE releases
Name: MsdpGroupSrcActMsgsExcd (378) Type: communicationsAlarm (4) Package: msdp Raised on class: msdp.PeerGroup	Severity: warning Implicitly cleared: false Default probable cause: MsdpGroupActiveSourcesLimitExceeded (277)	Unspecified
Description: The alarm is raised when an MSDP group receives a number of source active messages that exceeds the configured maximum.		
Remedial action: Increase the configurable maximum number of source active messages if possible.		

Table 35-474 MsdpPeerActSrcLimExcd

Alarm	Attributes	Applicable major NE releases
Name: MsdpPeerActSrcLimExcd (379) Type: communicationsAlarm (4) Package: msdp Raised on classes: <ul style="list-style-type: none"> msdp.GroupPeer msdp.Peer 	Severity: warning Implicitly cleared: false Default probable cause: MsdpPeerActiveSourcesLimitExceeded (278)	Unspecified
Description: The alarm is raised when an MSDP peer receives a number of source active messages that exceeds the configured maximum.		
Remedial action: Increase the configurable maximum number of source active messages if possible.		

Table 35-475 MsdpRPFFailure

Alarm	Attributes	Applicable major NE releases
Name: MsdpRPFFailure (354) Type: communicationsAlarm (4) Package: msdp Raised on class: msdp.Site	Severity: warning Implicitly cleared: false Default probable cause: MsdpRPFFailure (275)	Unspecified
Description: The alarm is raised when an MSDP site experiences an RPF failure.		
Remedial action: Informational.		

Table 35-476 MsdpSourceSrcActMsgsExcd

Alarm	Attributes	Applicable major NE releases
Name: MsdpSourceSrcActMsgsExcd (381) Type: communicationsAlarm (4) Package: msdp Raised on class: msdp.Source	Severity: warning Implicitly cleared: false Default probable cause: MsdpSourceActiveSourcesLimitExceeded (280)	Unspecified
Description: The alarm is raised when an MSDP source receives a number of source active messages that exceeds the configured maximum.		
Remedial action: Increase the configurable maximum number of source active messages if possible.		

35 – Unspecified NE alarms

Table 35-477 MsPwFecMisConfig

Alarm	Attributes	Applicable major NE releases
Name: MsPwFecMisConfig (3691) Type: serviceAlarm (16) Package: svt Raised on class: svt.SpokeSdpFec	Severity: major Implicitly cleared: true Default probable cause: msPwFecMisConfig (1430)	Unspecified
Description: The alarm is raised when a misconfiguration is discovered between two signaling multi-segment pseudowires. For example, configuring both multi-segment pseudowires as master would cause this notification.		
Clearing condition: ('Administrative State' EQUAL 'Up')		
Remedial action: Configure multi-segment pseudo-wires such that both are not configured to be master.		

Table 35-478 MultiChassisStpBlockingStatus

Alarm	Attributes	Applicable major NE releases
Name: MultiChassisStpBlockingStatus (4902) Type: communicationsAlarm (4) Package: aosredundancy Raised on class: aosredundancy.AOSMultiChassis	Severity: minor Implicitly cleared: false Default probable cause: PrimarybridgeSTPPriorityishigherthansecondarybridge (1959)	Unspecified
Description: Primary bridge STP Priority is higher than secondary bridge		
Remedial action: This Alarm can be cleared by setting primary bridge STP Priority lower then secondary bridge stp priority		

Table 35-479 MultipleOwners

Alarm	Attributes	Applicable major NE releases
Name: MultipleOwners (283) Type: configurationAlarm (11) Package: vrrp Raised on class: vrrp.AbstractInstance	Severity: major Implicitly cleared: false Default probable cause: multipleOwnersConfigured (215)	Unspecified
Description: The alarm is raised when an owner VR instance detects another instance that advertises itself as an owner.		
Remedial action: Shut down one of the peer VRRP instances and change the owner to false and then turn it up.		

Table 35-480 multipleRPLOwner

Alarm	Attributes	Applicable major NE releases
Name: multipleRPLOwner (2946) Type: configurationAlarm (11) Package: ethring Raised on class: ethring.Element	Severity: major Implicitly cleared: false Default probable cause: multiplerpl (1135)	Unspecified
Description: The alarm is raised on RPL elements configured as RPL owners, when there are multiple RPL owners detected in the ring topology.		
Remedial action: A configuration error has been made which must be corrected. The duplicate RPL owners must be deleted.		

Table 35-481 MVPNDuplicateVrfPolicy

Alarm	Attributes	Applicable major NE releases
Name: MVPNDuplicateVrfPolicy (649) Type: configurationAlarm (11) Package: I3fwd Raised on classes: <ul style="list-style-type: none"> I3fwd.ServiceSiteMVPNImportPolicy I3fwd.ServiceSiteMVPNExportPolicy 	Severity: warning Implicitly cleared: true Default probable cause: duplicateVrfPolicyExists (177)	Unspecified
Description: The alarm is raised when the 5620 SAM detects a duplicate VRF policy in a multicast VPRN. The alarm information includes the VRF policy ID and type, and information about the service site. Note: starting from SAM 12.0 R1, SAM no longer raise this alarm since it is not much useful but has performance issue.		
Remedial action: A configuration error has occurred which must be corrected. The duplicate VRF policy must be removed. Note: starting from SAM 12.0 R1, SAM no longer raises this alarm.		

Table 35-482 MVPNExportPolicyNotFound

Alarm	Attributes	Applicable major NE releases
Name: MVPNExportPolicyNotFound (650) Type: configurationAlarm (11) Package: I3fwd Raised on class: I3fwd.ServiceSiteMVPNExportPolicy	Severity: major Implicitly cleared: true Default probable cause: exportPolicyDoesNotExist (179)	Unspecified
Description: The alarm is raised when a VRF export policy for a multicast VPRN cannot be found. The alarm information includes the policy ID. Note: starting from SAM 12.0 R1, SAM no longer raise this alarm since it is not much useful but has performance issue.		
Remedial action: A configuration error has occurred which must be corrected. A VRF export policy with the appropriate ID must be configured. Note: starting from SAM 12.0 R1, SAM no longer raises this alarm.		

Table 35-483 MVPNImportPolicyNotFound

Alarm	Attributes	Applicable major NE releases
Name: MVPNImportPolicyNotFound (651) Type: configurationAlarm (11) Package: I3fwd Raised on class: I3fwd.ServiceSiteMVPNImportPolicy	Severity: major Implicitly cleared: true Default probable cause: importPolicyDoesNotExist (180)	Unspecified
Description: The alarm is raised when a VRF import policy for a multicast VPRN cannot be found. The alarm information includes the policy ID. Note: starting from SAM 12.0 R1, SAM no longer raise this alarm since it is not much useful but has performance issue.		
Remedial action: A configuration error has occurred which must be corrected. A VRF import policy with the appropriate ID must be configured. Note: starting from SAM 12.0 R1, SAM no longer raises this alarm.		

Table 35-484 MwLinkEPSActivityChange

Alarm	Attributes	Applicable major NE releases
Name: MwLinkEPSActivityChange (4945) Type: communicationsAlarm (4) Package: mwa Raised on class: mwa.MwLink	Severity: major Implicitly cleared: false Default probable cause: EPSActivityChange (2002)	Unspecified
Description: This alarm is raised when a microwave link changes activity for EPS.		
Remedial action: Please refer to either 9500 or 7705 Node Maintenance manual for remedial action information.		

Table 35-485 MwLinkMaintenanceChange

Alarm	Attributes	Applicable major NE releases
Name: MwLinkMaintenanceChange (4946) Type: communicationsAlarm (4) Package: mwa Raised on class: mwa.MwLink	Severity: info Implicitly cleared: false Default probable cause: MaintenanceCommandChange (2003)	Unspecified
Description: This alarm is raised when a microwave link maintenance command changes.		
Remedial action: Please refer to either 9500 or 7705 Node Maintenance manual for remedial action information.		

Table 35-486 MwLinkPeerChange

Alarm	Attributes	Applicable major NE releases
Name: MwLinkPeerChange (4832) Type: communicationsAlarm (4) Package: mwa Raised on class: mwa.MwLink	Severity: major Implicitly cleared: false Default probable cause: PeerChange (1918)	Unspecified
Description: This alarm is raised when a microwave link discovered peer changes.		
Remedial action: Please refer to either 9500 or 7705 Node Maintenance manual for remedial action information.		

Table 35-487 MwLinkRPSActivityChange

Alarm	Attributes	Applicable major NE releases
Name: MwLinkRPSActivityChange (4947) Type: communicationsAlarm (4) Package: mwa Raised on class: mwa.MwLink	Severity: major Implicitly cleared: false Default probable cause: RPSActivityChange (2004)	Unspecified
Description: This alarm is raised when a microwave link changes activity for RPS.		
Remedial action: Please refer to either 9500 or 7705 Node Maintenance manual for remedial action information.		

Table 35-488 MwLinkTPSActivityChange

Alarm	Attributes	Applicable major NE releases
Name: MwLinkTPSActivityChange (4948) Type: communicationsAlarm (4) Package: mwa Raised on class: mwa.MwLink	Severity: major Implicitly cleared: false Default probable cause: TPSActivityChange (2005)	Unspecified
Description: This alarm is raised when a microwave link changes activity for TPS.		
Remedial action: Please refer to either 9500 or 7705 Node Maintenance manual for remedial action information.		

Table 35-489 NatIsaMemberSessionUsageHi

Alarm	Attributes	Applicable major NE releases
Name: NatIsaMemberSessionUsageHi (3937) Type: equipmentAlarm (3) Package: nat Raised on class: nat.IsaMember	Severity: major Implicitly cleared: true Default probable cause: resourceFull (53)	Unspecified

(1 of 2)

35 – Unspecified NE alarms

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when the session usage of an ISA-NAT group member reaches the high watermark. The alarm clears when the session usage reaches the low watermark.		
Remedial action: Review the watermarks configuration to make sure it matches the capacity of your network. If required, deploy extra equipment to deal with the demand.		

(2 of 2)

Table 35-490 NatIsaMemberSessionUsageHigh

Alarm	Attributes	Applicable major NE releases
Name: NatIsaMemberSessionUsageHigh (1070) Type: equipmentAlarm (3) Package: nat Raised on class: nat.IsaMda	Severity: major Implicitly cleared: true Default probable cause: resourceFull (53)	Unspecified
Description: Deprecated in 10.0, Use {NatIsaMemberSessionUsageHi on nat.IsaMember} instead. The alarm is raised when the session usage of an ISA-NAT group member reaches the high watermark. The alarm clears when the session usage reaches the low watermark.		
Remedial action: Review the watermarks configuration to make sure it matches the capacity of your network. If required, deploy extra equipment to deal with the demand.		

Table 35-491 NatL2AwSublcmpPortUsageHigh

Alarm	Attributes	Applicable major NE releases
Name: NatL2AwSublcmpPortUsageHigh (1086) Type: equipmentAlarm (3) Package: ressubscr Raised on class: ressubscr.ResidentialSubscriberInstance	Severity: major Implicitly cleared: true Default probable cause: resourceFull (53)	Unspecified
Description: The alarm is raised when the ICMP port usage of an L2-aware NAT subscriber reaches the high or low watermark.		
Remedial action: Review the watermarks configuration to make sure it matches the capacity of the network. If required, deploy extra equipment to deal with the demand.		

Table 35-492 NatL2AwSubSessionUsageHigh

Alarm	Attributes	Applicable major NE releases
Name: NatL2AwSubSessionUsageHigh (1087) Type: equipmentAlarm (3) Package: ressubscr Raised on class: ressubscr.ResidentialSubscriberInstance	Severity: major Implicitly cleared: true Default probable cause: resourceFull (53)	Unspecified

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when the session usage of an L2-aware NAT subscriber reaches the high or low watermark.		
Remedial action: Review the watermarks configuration to make sure it matches the capacity of your network. If required, deploy extra equipment to deal with the demand.		

(2 of 2)

Table 35-493 NatL2AwSubTcpPortUsageHigh

Alarm	Attributes	Applicable major NE releases
Name: NatL2AwSubTcpPortUsageHigh (1088) Type: equipmentAlarm (3) Package: ressubscr Raised on class: ressubscr.ResidentialSubscriberInstance	Severity: major Implicitly cleared: true Default probable cause: resourceFull (53)	Unspecified
Description: The alarm is raised when the TCP port usage of an L2-aware NAT subscriber reaches the high or low watermark.		
Remedial action: Review the watermarks configuration to make sure it matches the capacity of your network. If required, deploy extra equipment to deal with the demand.		

Table 35-494 NatL2AwSubUdpPortUsageHigh

Alarm	Attributes	Applicable major NE releases
Name: NatL2AwSubUdpPortUsageHigh (1089) Type: equipmentAlarm (3) Package: ressubscr Raised on class: ressubscr.ResidentialSubscriberInstance	Severity: major Implicitly cleared: true Default probable cause: resourceFull (53)	Unspecified
Description: The alarm is raised when the UDP port usage of an L2-aware NAT subscriber reaches the high or low watermark.		
Remedial action: Review the watermarks configuration to make sure it matches the capacity of your network. If required, deploy extra equipment to deal with the demand.		

Table 35-495 NatPIL2AwBlockUsageHigh

Alarm	Attributes	Applicable major NE releases
Name: NatPIL2AwBlockUsageHigh (1074) Type: equipmentAlarm (3) Package: nat Raised on class: nat.NatPool	Severity: major Implicitly cleared: true Default probable cause: resourceFull (53)	Unspecified
Description: The alarm is raised when the block usage of an L2-aware NAT address pool reaches the high watermark. The alarm clears when the block usage reaches the low watermark.		

(1 of 2)

35 – Unspecified NE alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: This alarm indicates the block usage of a L2-aware NAT address pool reaches its threshold on a particular member MDA of its ISA group. Please ensure the address pool block usage configuration adequate for the system requirement. This alarm will be cleared automatically once the block usage is below the watermark.		

(2 of 2)

Table 35-496 NatPILsnMemberBlockUsageHigh

Alarm	Attributes	Applicable major NE releases
Name: NatPILsnMemberBlockUsageHigh (1075) Type: equipmentAlarm (3) Package: nat Raised on class: nat.NatPool	Severity: major Implicitly cleared: true Default probable cause: resourceFull (53)	Unspecified
Description: The alarm is raised when the block usage of a large-scale NAT address pool reaches the high watermark. The alarm clears when the block usage reaches the low watermark.		
Remedial action: This alarm indicates the block usage of a Large Scale NAT address pool reaches its threshold on a particular member MDA of its ISA group. Please ensure the address pool block usage configuration adequate for the system requirement. This alarm will be cleared automatically once the block usage is below the watermark.		

Table 35-497 NeDatafileSizeAboveThreshold

Alarm	Attributes	Applicable major NE releases
Name: NeDatafileSizeAboveThreshold (4975) Type: databaseAlarm (29) Package: db Raised on class: db.DatabaseManager	Severity: critical Implicitly cleared: false Default probable cause: HighNumberOfRecords (526)	Unspecified
Description: The alarm is raised when a tablespace data file size exceeds the used space threshold. This may indicate that the number of stored NE backups or software images is too high.		
Remedial action: The probable cause of this alarm is the storage of too many NE backup or software image files. Purge old backup or extra software image files from the SAM database to resolve the problem. If the alarm persists please contact Alcatel-Lucent support for assistance.		

Table 35-498 NeighborLoss (pim)

Alarm	Attributes	Applicable major NE releases
Name: NeighborLoss (188) Type: communicationsAlarm (4) Package: pim Raised on class: pim.Interface	Severity: warning Implicitly cleared: true Default probable cause: NeighborConnectionLost (148)	Unspecified
Description: The alarm is raised when the connection to a neighbor is lost.		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: Informational - please check the connection to the neighbor is fine, e.g the peer is not in shutdown state. The alarm will be cleared when the neighbor is discovered up.		

(2 of 2)

Table 35-499 NeighborLoss (vpIs)

Alarm	Attributes	Applicable major NE releases
Name: NeighborLoss (188) Type: communicationsAlarm (4) Package: vpIs Raised on class: vpIs.InterfacePimSnooping	Severity: warning Implicitly cleared: true Default probable cause: NeighborConnectionLost (148)	Unspecified
Description: The alarm is raised when the 5620 SAM detects a loss of connection to a PIM neighbor.		
Remedial action: There is a lost connection to the PIM Neighbor. Check the PIM Neighbor to ensure it is still operational and that underlying transport of the SAP or SDP is operationally up.		

Table 35-500 NetConfEventSubscriptionProblem

Alarm	Attributes	Applicable major NE releases
Name: NetConfEventSubscriptionProblem (4864) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: NetConfEventSubscriptionFailed (1932)	Unspecified
Description: The alarm is raised when the 5620 SAM is unable to subscribe for Netconf event notification from a network element. For a WMM: if this problem persists it may result in a loss of PM file collection.		
Remedial action: Informational -if the alarm persists or is occurring frequently then investigation is required to understand why the Netconf event subscription configuration is failing.		

Table 35-501 NetworkElementChassisTypeMismatch

Alarm	Attributes	Applicable major NE releases
Name: NetworkElementChassisTypeMismatch (1946) Type: communicationsAlarm (4) Package: netw Raised on class: netw.DiscoveredNode	Severity: major Implicitly cleared: true Default probable cause: mismatchOfNetworkElementChassisType (934)	Unspecified
Description: The alarm is raised when the chassis type of the shadow network element does not match with the chassis type of the discovered NE.		
Remedial action: A configuration error has been made which must be corrected. The pre-provisioned NE chassis type defined must match the chassis type of the node being discovered.		

Table 35-502 NetworkElementTypeMismatch

Alarm	Attributes	Applicable major NE releases
Name: NetworkElementTypeMismatch (1947) Type: communicationsAlarm (4) Package: netw Raised on class: netw.DiscoveredNode	Severity: major Implicitly cleared: true Default probable cause: mismatchOfNetworkElementType (935)	Unspecified
Description: The alarm is raised when the type of the shadow network element does not match with the type of the discovered NE.		
Remedial action: A configuration error has been made which must be corrected. The pre-provisioned NE type defined must match the type of the node being discovered.		

Table 35-503 NetworkElementVersionMismatch

Alarm	Attributes	Applicable major NE releases
Name: NetworkElementVersionMismatch (1948) Type: communicationsAlarm (4) Package: netw Raised on class: netw.DiscoveredNode	Severity: major Implicitly cleared: true Default probable cause: mismatchOfNetworkElementVersion (936)	Unspecified
Description: The alarm is raised when the version of the shadow network element does not match with the version of the discovered NE.		
Remedial action: A configuration error has been made which must be corrected. The pre-provisioned NE version defined must match the version of the node being discovered.		

Table 35-504 NodeDatabaseCorruptionDetected

Alarm	Attributes	Applicable major NE releases
Name: NodeDatabaseCorruptionDetected (1961) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: nodeDatabaseCorrupted (948)	Unspecified
Description: This alarm is raised when an error in the node causes the node to lose its configuration and come up in an inconsistent/incomplete state. To overcome this it might be necessary to reconfigure the node.		
Remedial action: The node configuration is inconsistent. You may have to do a Reconfigure. However if it's a first discovery, you have to delete the node, then create a pre-provisioned NE instance, create a new discovery rule with a self-configuration policy and discover the node.		

Table 35-505 NodeSoftwareMisalignmentDetected

Alarm	Attributes	Applicable major NE releases
Name: NodeSoftwareMisalignmentDetected (4906) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: nodeSoftwareMisalignment (1962)	Unspecified
Description: The alarm is raised when a software misalignment has been detected on the node and comes back up with an unexpected software version (software change triggered by external tool) To correct this situation it is necessary to download and activate on the node the software referenced by SAM and then reconfigure the node with the 5620 SAM's current configuration.		
Remedial action: the NE software is misaligned. Perform a Download and Activate Software operation with the software version known by SAM which is the reference.		

Table 35-506 noFunctioningScript

Alarm	Attributes	Applicable major NE releases
Name: noFunctioningScript (275) Type: configurationAlarm (11) Package: subscrident Raised on class: subscrident.Policy	Severity: critical Implicitly cleared: true Default probable cause: primaryBackupDown (207)	Unspecified
Description: The alarm is raised when all subscriber identification scripts are operationally down.		
Raising condition: (('isLocal' EQUAL 'true') AND ('Primary Script Operational State' NOT EQUAL 'Up') AND ('Secondary Script Operational State' NOT EQUAL 'Up') AND ('Tertiary Script Operational State' NOT EQUAL 'Up'))		
Clearing condition: (('isLocal' EQUAL 'true') AND (('Primary Script Operational State' EQUAL 'Up') OR ('Secondary Script Operational State' EQUAL 'Up') OR ('Tertiary Script Operational State' EQUAL 'Up')))		
Remedial action: If the DHCP ACK Python script processing behaviour is desired, please make sure that primary, secondary and tertiary scripts are installed and operationally up.		

Table 35-507 NoRPLOwner

Alarm	Attributes	Applicable major NE releases
Name: NoRPLOwner (3700) Type: configurationAlarm (11) Package: ethring Raised on class: ethring.RadioRing	Severity: major Implicitly cleared: false Default probable cause: norpltype (1438)	Unspecified
Description: The alarm is raised when there is No RPL Owner selected on a Radio Ring.		
Remedial action: Operator has to configure at least one of the Elements belonging to a Radio Ring as RPL Owner.		

Table 35-508 NotEnoughContiguousBlocks

Alarm	Attributes	Applicable major NE releases
Name: NotEnoughContiguousBlocks (4987) Type: configurationAlarm (11) Package: dhcp Raised on class: dhcp.LocalDhcp6Server	Severity: warning Implicitly cleared: false Default probable cause: notEnoughContiguousBlocks (2042)	Unspecified
Description: The alarm is raised when a lease cannot be created because not enough contiguous blocks are found for the requested delegated prefix size.		
Remedial action: This alarm is raised when a lease cannot be created because not enough contiguous blocks are found for the requested delegated prefix size. Please adjust the associated pools.		

Table 35-509 NTPNoServersAvail

Alarm	Attributes	Applicable major NE releases
Name: NTPNoServersAvail (4878) Type: communicationsAlarm (4) Package: ntp Raised on class: ntp.NTP	Severity: major Implicitly cleared: true Default probable cause: NTPNoServersAvail (1942)	Unspecified
Description: The alarm is generated when no NTP Servers are available.		
Remedial action: Please check if the configured servers are physically reachable (IP ping) from the node (Or) check if the configured servers are enabled as NTP Server (NTP Server attribute on General Tab) and their Operational state is Up (Or) check if the authentication keys are correctly defined on the client and the NTP server node.		

Table 35-510 NTPServerChange

Alarm	Attributes	Applicable major NE releases
Name: NTPServerChange (4880) Type: communicationsAlarm (4) Package: ntp Raised on class: ntp.NTP	Severity: info Implicitly cleared: false Default probable cause: NTPServerChange (1944)	Unspecified
Description: The alarm generated when more than one NTP servers are configured in a system and a different NTP server is selected because the operational status of the earlier NTP server has changed.		
Remedial action: This is informational alarm to indicate that the current clock source has changed for the node. Alarm needs to be manually cleared.		

Table 35-511 OCHTrailDown

Alarm	Attributes	Applicable major NE releases
Name: OCHTrailDown (3891) Type: communicationsAlarm (4) Package: optical Raised on class: optical.OCHTrail	Severity: critical Implicitly cleared: true Default probable cause: OperationalStateDown (1963)	Unspecified
Description: The alarm is raised when the termination point(s) of the OCH trail are operationally down.		
Remedial action: Informational - If the alarm persists or is occurring frequently then investigation is required by looking at the active alarms on the hops to understand why the underlying transport network is unreliable.		

Table 35-512 OCHTrailMisConfigured

Alarm	Attributes	Applicable major NE releases
Name: OCHTrailMisConfigured (5125) Type: communicationsAlarm (4) Package: optical Raised on class: optical.OCHTrail	Severity: critical Implicitly cleared: false Default probable cause: OchCrossConnectionTrailNameMismatch (1391)	Unspecified
Description: The alarm is raised when all the OCh cross connections (XCs) of an OCh trail do not have the same trail name. In order for the auto wavekey processing to work properly, the XC name should be the same on all NEs of the OCh trail.		
Remedial action: Recreate the OCH Cross Connects with same OCH Trail name else Wave Tracker doesn't work properly.		

Table 35-513 ODUTrailDown

Alarm	Attributes	Applicable major NE releases
Name: ODUTrailDown (3892) Type: communicationsAlarm (4) Package: optical Raised on class: optical.ODUTrail	Severity: critical Implicitly cleared: true Default probable cause: OperationalStateDown (1963)	Unspecified
Description: The alarm is raised when the termination point(s) of the ODU trail are operationally down.		
Remedial action: Informational - If the alarm persists or is occurring frequently then investigation is required by looking at the active alarms on the hops to understand why the underlying transport network is unreliable.		

Table 35-514 ODUTrailMisConfigured

Alarm	Attributes	Applicable major NE releases
Name: ODUTrailMisConfigured (3893) Type: communicationsAlarm (4) Package: optical Raised on class: optical.ODUTrail	Severity: critical Implicitly cleared: false Default probable cause: OChCrossConnectionTrailNameMismatch (1391)	Unspecified
Description: The alarm is raised when all the OCh cross connections (XCs) of an OCh trail do not have the same trail name. In order for the auto wavekey processing to work properly, the XC name should be the same on all NEs of the OCh trail.		
Remedial action: Recreate the OCH Cross Connects with same OCH Trail name else Wave Tracker doesn't work properly.		

Table 35-515 OlcStateChangeAlarm

Alarm	Attributes	Applicable major NE releases
Name: OlcStateChangeAlarm (3740) Type: communicationsAlarm (4) Package: generic Raised on class: generic.GenericObject	Severity: info Implicitly cleared: false Default probable cause: unknown (1097)	Unspecified
Description: The alarm is raised to notify the user, when an OLC State change takes place at the specified revert time.		
Remedial action: Informational - This is a notification alarm to indicate that the object will revert it's OLC state.		

Table 35-516 OpticalAmplifierLossOfInputOpticalPower

Alarm	Attributes	Applicable major NE releases
Name: OpticalAmplifierLossOfInputOpticalPower (1185) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.WaveLengthTracker	Severity: major Implicitly cleared: true Default probable cause: AmplifierLossOfInputOpticalPower (886)	Unspecified
Description: The alarm is raised when a device reports an Amplifier Loss of input optical power on an optical amplifier interface.		
Remedial action: Ensure that the input optical power at the face plate is greater than the minimum required		

Table 35-517 OpticalAmplifierLossOfOutputPower

Alarm	Attributes	Applicable major NE releases
Name: OpticalAmplifierLossOfOutputPower (1186) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.WaveLengthTracker	Severity: major Implicitly cleared: true Default probable cause: AmplifierLossOfOutputPower (887)	Unspecified
Description: The alarm is raised when a device reports an Amplifier Loss of output power on an optical amplifier interface.		
Remedial action: If the alarm is persistent: 1. clear the mda, 2. clear card 3. replace the card		

Table 35-518 OpticalAmplifierModuleCaseTemperatureHigh

Alarm	Attributes	Applicable major NE releases
Name: OpticalAmplifierModuleCaseTemperatureHigh (1180) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.WaveLengthTracker	Severity: major Implicitly cleared: true Default probable cause: AmplifierModuleCaseTemperatureHigh (881)	Unspecified
Description: The alarm is raised when a device reports an Amplifier Module Case Temperature High on an optical amplifier interface.		
Remedial action: Decrease the ambient temperature		

Table 35-519 OpticalAmplifierModuleCaseTemperatureLow

Alarm	Attributes	Applicable major NE releases
Name: OpticalAmplifierModuleCaseTemperatureLow (1181) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.WaveLengthTracker	Severity: major Implicitly cleared: true Default probable cause: AmplifierModuleCaseTemperatureLow (882)	Unspecified
Description: The alarm is raised when a device reports an Amplifier Module Case Temperature Low on an optical amplifier interface.		
Remedial action: Increase the ambient temperature		

35 – Unspecified NE alarms

Table 35-520 OpticalAmplifierModuleCommunicationFailure

Alarm	Attributes	Applicable major NE releases
Name: OpticalAmplifierModuleCommunicationFailure (1187) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.WaveLengthTracker	Severity: major Implicitly cleared: true Default probable cause: AmplifierModuleCommunicationFailure (888)	Unspecified
Description: The alarm is raised when a device reports an Amplifier Module Communication Failure on a tunable dispersion compensation module's interface.		
Remedial action: If the alarm is persistent: 1. clear the mda, 2. clear card 3. replace the card		

Table 35-521 OpticalAmplifierPumpCurrent

Alarm	Attributes	Applicable major NE releases
Name: OpticalAmplifierPumpCurrent (1188) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.WaveLengthTracker	Severity: major Implicitly cleared: true Default probable cause: AmplifierPumpcurrent (889)	Unspecified
Description: The alarm is raised when a device reports an Amplifier Pump over current on an optical amplifier interface.		
Remedial action: If the alarm is persistent: 1. clear the mda, 2. clear card 3. replace the card		

Table 35-522 OpticalAmplifierPumpTemperature

Alarm	Attributes	Applicable major NE releases
Name: OpticalAmplifierPumpTemperature (1182) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.WaveLengthTracker	Severity: major Implicitly cleared: true Default probable cause: AmplifierPumpTemperature (883)	Unspecified
Description: The alarm is raised when a device reports an Amplifier Pump Temperature on an optical amplifier interface.		
Remedial action: Decrease the ambient temperature		

Table 35-523 OpticalTdcmeEPROMInvalid

Alarm	Attributes	Applicable major NE releases
Name: OpticalTdcmeEPROMInvalid (1189) Type: communicationsAlarm (4) Package: ethernetEquipment Raised on class: ethernetEquipment.WavelengthTracker	Severity: major Implicitly cleared: true Default probable cause: TdcmeEPROMInvalid (890)	Unspecified
Description: The alarm is raised when a device reports a Tdcme EEPROM invalid on a tunable dispersion compensation module's interface.		
Remedial action: Replace the card		

Table 35-524 OpticalTdcmeModuleCommunicationFailure

Alarm	Attributes	Applicable major NE releases
Name: OpticalTdcmeModuleCommunicationFailure (1190) Type: communicationsAlarm (4) Package: ethernetEquipment Raised on class: ethernetEquipment.WavelengthTracker	Severity: major Implicitly cleared: true Default probable cause: TdcmeModuleCommunicationFailure (891)	Unspecified
Description: The alarm is raised when a device reports a Tdcme Module Communication Failure on a tunable dispersion compensation module's interface.		
Remedial action: If the alarm is persistent: 1. clear the mda, 2. clear card 3. replace the card		

Table 35-525 OpticalTdcmeModuleTemperatureHigh

Alarm	Attributes	Applicable major NE releases
Name: OpticalTdcmeModuleTemperatureHigh (1183) Type: communicationsAlarm (4) Package: ethernetEquipment Raised on class: ethernetEquipment.WavelengthTracker	Severity: major Implicitly cleared: true Default probable cause: TdcmeModuleTemperatureHigh (884)	Unspecified
Description: The alarm is raised when a device reports a Tdcme Module Temperature High on a tunable dispersion compensation module's interface.		
Remedial action: Decrease the ambient temperature		

35 – Unspecified NE alarms

Table 35-526 OpticalTdcModuleTemperatureLow

Alarm	Attributes	Applicable major NE releases
Name: OpticalTdcModuleTemperatureLow (1184) Type: communicationsAlarm (4) Package: ethernetEquipment Raised on class: ethernetEquipment.WavelengthTracker	Severity: major Implicitly cleared: true Default probable cause: TdcModuleTemperatureLow (885)	Unspecified
Description: The alarm is raised when a device reports a Tdc Module Temperature Low on a tunable dispersion compensation module's interface.		
Remedial action: Increase the ambient temperature		

Table 35-527 OpticalTdcNotReady

Alarm	Attributes	Applicable major NE releases
Name: OpticalTdcNotReady (1191) Type: communicationsAlarm (4) Package: ethernetEquipment Raised on class: ethernetEquipment.WavelengthTracker	Severity: major Implicitly cleared: true Default probable cause: TdcNotReady (892)	Unspecified
Description: The alarm is raised when a device reports a Tdc Not Ready on a tunable dispersion compensation module's interface.		
Remedial action: This is a transient condition that should clear under normal operation but if it causes the link to fail and persists: 1. clear the mda, 2. clear card 3. replace the card		

Table 35-528 OpticalTdcThermalControlTemperatureLimit

Alarm	Attributes	Applicable major NE releases
Name: OpticalTdcThermalControlTemperatureLimit (1192) Type: communicationsAlarm (4) Package: ethernetEquipment Raised on class: ethernetEquipment.WavelengthTracker	Severity: major Implicitly cleared: true Default probable cause: TdcThermalControlTemperatureLimit (893)	Unspecified
Description: The alarm is raised when a device reports a Tdc Thermal Control Temperature Limit on a tunable dispersion compensation module's interface.		
Remedial action: If this alarm persists: 1. clear the mda, 2. clear card 3. replace the card		

Table 35-529 OpticalTdcMThermalControlUnlocked

Alarm	Attributes	Applicable major NE releases
Name: OpticalTdcMThermalControlUnlocked (1193) Type: communicationsAlarm (4) Package: ethernetEquipment Raised on class: ethernetEquipment.WaveLengthTracker	Severity: major Implicitly cleared: true Default probable cause: TdcMThermalControlUnlocked (894)	Unspecified
Description: The alarm is raised when a device reports a TdcM Thermal Control Unlocked on a tunable dispersion compensation module's interface.		
Remedial action: This is a transient condition that should clear under normal operation but if it causes the link to fail and persists: 1. clear the mda, 2. clear card 3. replace the card		

Table 35-530 OspfExportLimitDropped

Alarm	Attributes	Applicable major NE releases
Name: OspfExportLimitDropped (1924) Type: configurationAlarm (11) Package: ospf Raised on class: ospf.Site	Severity: warning Implicitly cleared: false Default probable cause: exportLimitDropped (598)	Unspecified
Description: The alarm is raised when the total number of exported routes to the OSPF level, drops below the configured limit.		
Remedial action: Informational - the total number of exported routes from the route table to this OSPF level drops below the configured export limit.		

Table 35-531 OspfExportLimitReached

Alarm	Attributes	Applicable major NE releases
Name: OspfExportLimitReached (1925) Type: configurationAlarm (11) Package: ospf Raised on class: ospf.Site	Severity: warning Implicitly cleared: false Default probable cause: exportLimitReached (599)	Unspecified
Description: The alarm is raised when the total number of routes to the OSPF level is equal to the configured limit for exported routes.		
Remedial action: Informational - the total number of routes for the level is equal to the configured limit for exported routes		

Table 35-532 OspfExportLimitWarning

Alarm	Attributes	Applicable major NE releases
Name: OspfExportLimitWarning (1926) Type: configurationAlarm (11) Package: ospf Raised on class: ospf.Site	Severity: warning Implicitly cleared: false Default probable cause: exportLimitWarning (600)	Unspecified
Description: The alarm is raised when the total number of exported routes to the OSPF level is equal to the configured percentage, vRtrIsExportLimitLogPercent of the export limit.		
Remedial action: Informational - the total number of exported routes or the level is equal to the configured Export Limit Log Percent		

Table 35-533 OspfExternalLsaThresholdExceeded

Alarm	Attributes	Applicable major NE releases
Name: OspfExternalLsaThresholdExceeded (372) Type: topologyAlarm (34) Package: topology Raised on class: topology.Cpaa	Severity: major Implicitly cleared: true Default probable cause: manyExternalLSAsFloodingIntoIGP (271)	Unspecified
Description: The alarm is raised when the number of OSPF external LSAs exceeds the maximum threshold because a large number of external LSAs flooding into the IGP.		
Remedial action: User configured alarm for monitoring purpose. The advertised external routes can be viewed using CPAM IGP prefix list.		

Table 35-534 OspfIfTxRetransmit

Alarm	Attributes	Applicable major NE releases
Name: OspfIfTxRetransmit (662) Type: communicationsAlarm (4) Package: ospf Raised on class: ospf.Interface	Severity: warning Implicitly cleared: false Default probable cause: hello (47) Applicable probable causes: <ul style="list-style-type: none"> • hello • dbDescript • IsReq • IsUpdate • IsAck • nullPacket 	Unspecified
Description: The alarm is raised when an NE retransmits an OSPF packet. The alarm information includes the NE ID of the OSPF neighbor. The alarm is not raised against a Release 4.0 or later NE.		
Remedial action: Informational - an NE retransmits an OSPF packet. The alarm information includes the NE ID of the OSPF neighbor. The alarm is not raised against a Release 4.0 or later NE.		

Table 35-535 OspfInternalLsaRateThresholdExceededPerArea

Alarm	Attributes	Applicable major NE releases
Name: OspfInternalLsaRateThresholdExceededPerArea (310) Type: topologyAlarm (34) Package: topology Raised on class: topology.Area	Severity: major Implicitly cleared: true Default probable cause: unstableIGPNetwork (241)	Unspecified
Description: The alarm is raised when the OSPF internal LSA rate for an area exceeds the maximum allowed value because of an unstable IGP network.		
Remedial action: User configured alarm for monitoring purpose. IGP historical map can be used for debugging purpose.		

Table 35-536 OspfInternalLsaThresholdExceededPerArea

Alarm	Attributes	Applicable major NE releases
Name: OspfInternalLsaThresholdExceededPerArea (309) Type: topologyAlarm (34) Package: topology Raised on class: topology.Area	Severity: major Implicitly cleared: true Default probable cause: largeIgpNetwork (240)	Unspecified
Description: The alarm is raised when the number of OSPF internal LSAs for an area exceeds the maximum allowed value because of a large IGP network.		
Remedial action: User configured alarm for monitoring purpose. IGP historical map can be used for debugging purpose.		

Table 35-537 OspfLsaRateThresholdExceededPerRouter

Alarm	Attributes	Applicable major NE releases
Name: OspfLsaRateThresholdExceededPerRouter (308) Type: topologyAlarm (34) Package: topology Raised on class: topology.Router	Severity: major Implicitly cleared: true Default probable cause: unstableLinksOnRouter (239)	Unspecified
Description: The alarm is raised when the OSPF LSA rate for an NE exceeds the maximum allowed value because of an unstable NE link.		
Remedial action: User configured alarm for monitoring purpose. IGP historical map can be used for debugging purpose.		

Table 35-538 OspfLsaThresholdExceededPerRouter

Alarm	Attributes	Applicable major NE releases
Name: OspfLsaThresholdExceededPerRouter (374) Type: topologyAlarm (34) Package: topology Raised on class: topology.Router	Severity: major Implicitly cleared: true Default probable cause: routerAdvertisingManyLSAs (273)	Unspecified
Description: The alarm is raised when the number of OSPF LSAs for an NE exceeds the maximum allowed value because the NE advertises too many LSAs.		
Remedial action: User configured alarm for monitoring purpose. IGP historical map can be used for debugging purpose.		

Table 35-539 OTUAlarmIndicationSignal

Alarm	Attributes	Applicable major NE releases
Name: OTUAlarmIndicationSignal (755) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.OtuInterface	Severity: major Implicitly cleared: true Default probable cause: AlarmIndicationSignal (531)	Unspecified
Description: The alarm is raised when a device reports an AIS on an OTU-enabled interface.		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 35-540 OTUBackwardDefectIndication

Alarm	Attributes	Applicable major NE releases
Name: OTUBackwardDefectIndication (756) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.OtuInterface	Severity: major Implicitly cleared: true Default probable cause: BackwardDefectIndication (532)	Unspecified
Description: The alarm is raised when a device reports a BDI on an OTU-enabled interface.		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 35-541 OTUBackwardIncomingAlignmentError

Alarm	Attributes	Applicable major NE releases
Name: OTUBackwardIncomingAlignmentError (815) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.OtuInterface	Severity: major Implicitly cleared: true Default probable cause: BackwardIncomingAlignmentError (578)	Unspecified
Description: The alarm is raised when a device reports an ODU alarm indication signal on an OTU-enabled interface.		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 35-542 OTUBitErrorRateSignalDegradation

Alarm	Attributes	Applicable major NE releases
Name: OTUBitErrorRateSignalDegradation (757) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.OtuInterface	Severity: major Implicitly cleared: true Default probable cause: BitErrorRateSignalDegradation (533)	Unspecified
Description: The alarm is raised when a device reports a BER-SD on an OTU-enabled interface.		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 35-543 OTUBitErrorRateSignalFail

Alarm	Attributes	Applicable major NE releases
Name: OTUBitErrorRateSignalFail (758) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.OtuInterface	Severity: critical Implicitly cleared: true Default probable cause: BitErrorRateSignalFail (534)	Unspecified
Description: The alarm is raised when a device reports a BER-SF on an OTU-enabled interface.		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 35-544 OTUFECRxTxModeMismatch

Alarm	Attributes	Applicable major NE releases
Name: OTUFECRxTxModeMismatch (759) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.OtuInterface	Severity: critical Implicitly cleared: true Default probable cause: FECRxTxModeMismatch (535)	Unspecified
Description: The alarm is raised when a device reports a FEC Rx/Tx mode mismatch on an OTU-enabled interface.		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 35-545 OTUFECSignalDegradation

Alarm	Attributes	Applicable major NE releases
Name: OTUFECSignalDegradation (760) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.OtuInterface	Severity: major Implicitly cleared: true Default probable cause: FECSignalDegradation (536)	Unspecified
Description: The alarm is raised when a device reports a FEC-SD on an OTU-enabled interface.		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 35-546 OTUFECSignalFailure

Alarm	Attributes	Applicable major NE releases
Name: OTUFECSignalFailure (761) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.OtuInterface	Severity: major Implicitly cleared: true Default probable cause: FECSignalFailure (537)	Unspecified
Description: The alarm is raised when a device reports a FEC-SF on an OTU-enabled interface.		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 35-547 OTUIncomingAlignmentError

Alarm	Attributes	Applicable major NE releases
Name: OTUIncomingAlignmentError (816) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.OtuInterface	Severity: major Implicitly cleared: true Default probable cause: IncomingAlignmentError (579)	Unspecified
Description: The alarm is raised when a device reports an ODU open connection indication on an OTU-enabled interface.		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 35-548 OTULossOfClock

Alarm	Attributes	Applicable major NE releases
Name: OTULossOfClock (762) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.OtuInterface	Severity: critical Implicitly cleared: true Default probable cause: LossOfClock (538)	Unspecified
Description: The alarm is raised when a device reports an LOC on an OTU-enabled interface.		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 35-549 OTULossOfFraming

Alarm	Attributes	Applicable major NE releases
Name: OTULossOfFraming (763) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.OtuInterface	Severity: critical Implicitly cleared: true Default probable cause: LossOfFraming (539)	Unspecified
Description: The alarm is raised when a device reports an LOF on an OTU-enabled interface.		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

35 – Unspecified NE alarms

Table 35-550 OTULossOfMultiFrame

Alarm	Attributes	Applicable major NE releases
Name: OTULossOfMultiFrame (764) Type: communicationsAlarm (4) Package: ethernetEquipment Raised on class: ethernetEquipment.OtuInterface	Severity: major Implicitly cleared: true Default probable cause: LossOfMultiFrame (540)	Unspecified
Description: The alarm is raised when a device reports an LOM on an OTU-enabled interface.		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 35-551 OTULossOfSignal

Alarm	Attributes	Applicable major NE releases
Name: OTULossOfSignal (765) Type: communicationsAlarm (4) Package: ethernetEquipment Raised on class: ethernetEquipment.OtuInterface	Severity: critical Implicitly cleared: true Default probable cause: LossOfSignal (541)	Unspecified
Description: The alarm is raised when a device reports an LOS on an OTU-enabled interface.		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 35-552 OTUODUAlarmIndicationSignal

Alarm	Attributes	Applicable major NE releases
Name: OTUODUAlarmIndicationSignal (766) Type: communicationsAlarm (4) Package: ethernetEquipment Raised on class: ethernetEquipment.OtuInterface	Severity: major Implicitly cleared: true Default probable cause: ODUAlarmIndicationSignal (542)	Unspecified
Description: The alarm is raised when a device reports an ODU AIS on an OTU-enabled interface.		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 35-553 OTUODULocked

Alarm	Attributes	Applicable major NE releases
Name: OTUODULocked (767) Type: communicationsAlarm (4) Package: ethernetEquipment Raised on class: ethernetEquipment.OtuInterface	Severity: critical Implicitly cleared: true Default probable cause: ODULocked (543)	Unspecified
Description: The alarm is raised when a device reports an ODU locked on an OTU-enabled interface.		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 35-554 OTUODUOpenConnectionIndication

Alarm	Attributes	Applicable major NE releases
Name: OTUODUOpenConnectionIndication (768) Type: communicationsAlarm (4) Package: ethernetEquipment Raised on class: ethernetEquipment.OtuInterface	Severity: critical Implicitly cleared: true Default probable cause: ODUOpenConnectionIndication (544)	Unspecified
Description: The alarm is raised when a device reports an ODU-OCI on an OTU-enabled interface.		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 35-555 OTUOPUSIPayloadTypeMismatch

Alarm	Attributes	Applicable major NE releases
Name: OTUOPUSIPayloadTypeMismatch (817) Type: communicationsAlarm (4) Package: ethernetEquipment Raised on class: ethernetEquipment.OtuInterface	Severity: major Implicitly cleared: true Default probable cause: OPUSIPayloadTypeMismatch (580)	Unspecified
Description: The alarm is raised when a device reports a PM backward defect indication on an OTU-enabled interface.		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

35 – Unspecified NE alarms

Table 35-556 OTUOPUPSITraceMismatch

Alarm	Attributes	Applicable major NE releases
Name: OTUOPUPSITraceMismatch (818) Type: communicationsAlarm (4) Package: ethernetEquipment Raised on class: ethernetEquipment.OtuInterface	Severity: major Implicitly cleared: true Default probable cause: OPUPSITraceMismatch (581)	Unspecified
Description: The alarm is raised when a device reports an ODU locked indication on an OTU-enabled interface.		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 35-557 OTUPMBackwardDefectIndication

Alarm	Attributes	Applicable major NE releases
Name: OTUPMBackwardDefectIndication (769) Type: communicationsAlarm (4) Package: ethernetEquipment Raised on class: ethernetEquipment.OtuInterface	Severity: major Implicitly cleared: true Default probable cause: PMBackwardDefectIndication (545)	Unspecified
Description: The alarm is raised when a device reports a PM BDI on an OTU-enabled interface.		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 35-558 OTUPMTraceIDMismatch

Alarm	Attributes	Applicable major NE releases
Name: OTUPMTraceIDMismatch (819) Type: communicationsAlarm (4) Package: ethernetEquipment Raised on class: ethernetEquipment.OtuInterface	Severity: major Implicitly cleared: true Default probable cause: PMTraceIDMismatch (582)	Unspecified
Description: The alarm is raised when a device reports an ODU open connection indication on an OTU-enabled interface.		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 35-559 OTUTraceIdMismatch

Alarm	Attributes	Applicable major NE releases
Name: OTUTraceIdMismatch (820) Type: communicationsAlarm (4) Package: ethernetEquipment Raised on class: ethernetEquipment.OtuInterface	Severity: major Implicitly cleared: true Default probable cause: TraceIdMismatch (583)	Unspecified
Description: The alarm is raised when a device reports a trace ID mismatch on an OTU-enabled interface.		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 35-560 OTUTrailDown

Alarm	Attributes	Applicable major NE releases
Name: OTUTrailDown (5126) Type: communicationsAlarm (4) Package: optical Raised on class: optical.OTUTrail	Severity: critical Implicitly cleared: true Default probable cause: OperationalStateDown (1963)	Unspecified
Description: The alarm is raised when the termination point(s) of the OTU trail are operationally down.		
Remedial action: Informational - If the alarm persists or is occurring frequently then investigation is required by looking at the active alarms on the hops to understand why the underlying transport network is unreliable.		

Table 35-561 OTUTrailMisConfigured

Alarm	Attributes	Applicable major NE releases
Name: OTUTrailMisConfigured (5127) Type: communicationsAlarm (4) Package: optical Raised on class: optical.OTUTrail	Severity: critical Implicitly cleared: false Default probable cause: OchCrossConnectionTrailNameMisMatch (1391)	Unspecified
Description: The alarm is raised when all the OCh cross connections (XCs) of an OTU trail do not have the same trail name. In order for the auto wavekey processing to work properly, the XC name should be the same on all NEs of the OTU trail.		
Remedial action: Recreate the OCH Cross Connects with same Trail name else Wave Tracker doesn't work properly.		

Table 35-562 OTUUncorrectableFECErrors

Alarm	Attributes	Applicable major NE releases
Name: OTUUncorrectableFECErrors (770) Type: communicationsAlarm (4) Package: ethernetEquipment Raised on class: ethernetEquipment.OtuInterface	Severity: major Implicitly cleared: true Default probable cause: UncorrectableFECErrors (546)	Unspecified
Description: The alarm is raised when a device reports one or more uncorrectable FEC errors on an OTU-enabled interface.		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 35-563 OutOfSlots

Alarm	Attributes	Applicable major NE releases
Name: OutOfSlots (462) Type: configurationAlarm (11) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: false Default probable cause: noAvailableSlotNumbers (352)	Unspecified
Description: The alarm is raised when a stack element enters pass-through mode because there is no slot number for the element.		
Remedial action: Login to switch console, correct the slot number and reload stack.		

Table 35-564 ParentTemplateInvalid

Alarm	Attributes	Applicable major NE releases
Name: ParentTemplateInvalid (194) Type: configurationAlarm (11) Package: template Raised on class: template.TemplateBinding	Severity: major Implicitly cleared: true Default probable cause: referencedObjectInvalid (152)	Unspecified
Description: The alarm is raised when a parent template in a template binding is invalid. The alarm is deprecated in the 5620 SAM, Release 6.0 and later.		
Raising condition: ('parentTemplateInvalidReference' EQUAL 'true')		
Clearing condition: ('parentTemplateInvalidReference' EQUAL 'false')		
Remedial action: Informational - deprecated 6.0		

Table 35-565 PathReoptimized

Alarm	Attributes	Applicable major NE releases
Name: PathReoptimized (28) Type: pathAlarm (12) Package: mpls Raised on class: mpls.Tunnel	Severity: warning Implicitly cleared: false Default probable cause: pathReoptimized (21)	Unspecified
Description: The alarm is raised when an MPLS path generates an mplsTunnelReoptimized trap.		
Remedial action: Informational only.		

Table 35-566 PathRerouted

Alarm	Attributes	Applicable major NE releases
Name: PathRerouted (29) Type: pathAlarm (12) Package: mpls Raised on class: mpls.Tunnel	Severity: warning Implicitly cleared: false Default probable cause: pathRerouted (22)	Unspecified
Description: The alarm is raised when an MPLS path generates an mplsTunnelRerouted trap.		
Remedial action: Informational only.		

Table 35-567 PbbSiteMisconfiguration

Alarm	Attributes	Applicable major NE releases
Name: PbbSiteMisconfiguration (571) Type: configurationAlarm (11) Package: vpls Raised on class: vpls.AbstractVpls	Severity: warning Implicitly cleared: true Default probable cause: includeBothBAndISite (440)	Unspecified
Description: The alarm is raised when a VPLS contains a B-Site and an I-Site.		
Raising condition: (('Include B-Site(s)' EQUAL 'true') AND ('Include I-Site(s)' EQUAL 'true'))		
Clearing condition: (('Include B-Site(s)' NOT EQUAL 'true') OR ('Include I-Site(s)' NOT EQUAL 'true'))		
Remedial action: A configuration error has occurred which needs to be corrected. The service can have only an I-site or a B-site but not both.		

Table 35-568 PChipCAMEvent

Alarm	Attributes	Applicable major NE releases
Name: PChipCAMEvent (814) Type: hardwareAnomaly (55) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: camError (577)	Unspecified
Description: The alarm is raised when an IOM or CPM experiences a P-chip CAM error.		
Remedial action: Informational - if the condition persists then the card indicated in the alarm should be replaced.		

Table 35-569 PChipError

Alarm	Attributes	Applicable major NE releases
Name: PChipError (593) Type: hardwareAnomaly (55) Package: equipment Raised on class: equipment.BaseCard	Severity: minor Implicitly cleared: true Default probable cause: pChipError (447)	Unspecified
Description: The alarm is raised when persistent FCS errors are detected on the specified complex in the specified direction.		
Remedial action: A fault has been detected in the hardware. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 35-570 PChipMemoryEvent

Alarm	Attributes	Applicable major NE releases
Name: PChipMemoryEvent (608) Type: hardwareAnomaly (55) Package: equipment Raised on class: equipment.BaseCard	Severity: warning Implicitly cleared: true Default probable cause: memoryParityError (451)	Unspecified
Description: The alarm is raised when a P chip detects a memory parity error. The alarm is raised against a 7450 ESS, 7710 SR, or 7750 SR. The alarm is raised against a Release 6.0 NE at R10 or later and a Release 6.1 NE at R5 or later.		
Remedial action: A fault has been detected in the hardware if the problem persists please contact Alcatel-Lucent support for assistance.		

Table 35-571 peerSetConfigurationIssue

Alarm	Attributes	Applicable major NE releases
Name: peerSetConfigurationIssue (267) Type: configurationAlarm (11) Package: pim Raised on class: pim.VirtualAnyCastRP	Severity: major Implicitly cleared: true Default probable cause: mismatchPeerSets (199)	Unspecified
Description: The alarm is raised when a peer set is misconfigured.		
Remedial action: A configuration error has occurred that must be corrected. Please check the global Virtual Anycast RP configuration and its operational status flag so that the Inconsistent Peer Sets and Only one peer bits are reset.		

Table 35-572 PeerUnreachable

Alarm	Attributes	Applicable major NE releases
Name: PeerUnreachable (842) Type: ProtocolAlarm (1) Package: l2tp Raised on class: l2tp.Peer	Severity: variable Implicitly cleared: true Default probable cause: protocolDown (1)	Unspecified
Description: The alarm is raised when an L2TP peer becomes unreachable.		
Remedial action: This alarm is raised when L2TP peer is unreachable. Please verify the L2TP tunnel profile configuration to ensure that the peer is properly configured. Also verify that the peer is actually reachable from this network element. This alarm is cleared automatically when L2TP Peer becomes reachable.		

Table 35-573 PersistenceRestoreProblem

Alarm	Attributes	Applicable major NE releases
Name: PersistenceRestoreProblem (5141) Type: processingErrorAlarm (81) Package: sw Raised on class: sw.NodePersistence	Severity: minor Implicitly cleared: false Default probable cause: persistenceRestoreProblem (2064)	Unspecified
Description: The alarm is raised when an error is detected while processing a persistence record.		
Remedial action: Check the node persistence configuration.		

Table 35-574 PersistencyFileSysThresRaised

Alarm	Attributes	Applicable major NE releases
Name: PersistencyFileSysThresRaised (5142) Type: equipmentAlarm (3) Package: sw Raised on class: sw.NodePersistence	Severity: major Implicitly cleared: true Default probable cause: persistencyFileSysThresRaised (2065)	Unspecified
Description: The alarm is raised when the filesystem reaches 90 percent usage.		
Remedial action: Delete unnecessary files on the compact flash disk. This operation must be executed using CLI interface on the NE.		

Table 35-575 PhysicalLinkDown

Alarm	Attributes	Applicable major NE releases
Name: PhysicalLinkDown (1140) Type: communicationsAlarm (4) Package: mpr Raised on class: mpr.VlanPath	Severity: major Implicitly cleared: true Default probable cause: PhysicalLinkDown (846)	Unspecified
Description: The alarm is raised when the physical link between two hops of a VLAN path is down.		
Remedial action: Check if the port that is used in the physical link is operationally up.		

Table 35-576 PkiCertVerificationFailed

Alarm	Attributes	Applicable major NE releases
Name: PkiCertVerificationFailed (3743) Type: configurationAlarm (11) Package: ipsec Raised on class: ipsec.IPSecBaseEntity	Severity: major Implicitly cleared: true Default probable cause: pkiCertInvalid (1478)	Unspecified
Description: The alarm is raised when an attempt to verify the certificate fails.		
Remedial action: An attempt to verify the certificate fails. Please make sure the certificate specified exists under the node cf3:system-pki and is a valid certificate		

Table 35-577 PkiFileReadFailed (ipsec)

Alarm	Attributes	Applicable major NE releases
Name: PkiFileReadFailed (3744) Type: configurationAlarm (11) Package: ipsec Raised on class: ipsec.IPSecBaseEntity	Severity: major Implicitly cleared: true Default probable cause: pkiFileReadCorrupted (1479)	Unspecified
Description: The alarm is raised when an attempt to read the file fails.		
Remedial action: An attempt to read the PKI file fails. Please make sure the path specified is correct and the file exists under the node cf3:system-pki		

Table 35-578 PkiFileReadFailed (sitesec)

Alarm	Attributes	Applicable major NE releases
Name: PkiFileReadFailed (3744) Type: configurationAlarm (11) Package: sitesec Raised on class: sitesec.CertificateAuthProfile	Severity: major Implicitly cleared: true Default probable cause: pkiFileReadCorrupted (1479)	Unspecified
Description: The alarm is raised when an attempt to read the file fails.		
Remedial action: An attempt to read the PKI file fails. Please make sure the path specified is correct and the file exists under the node cf3:system-pki		

Table 35-579 PMFileRecovery

Alarm	Attributes	Applicable major NE releases
Name: PMFileRecovery (4867) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: false Default probable cause: netconfDown (1935)	Unspecified
Description: The alarm is raised when a 5620 SAM main server loses connectivity to an NE and as a result retrieves PM files that were not previously collected.		
Remedial action: Informational		

35 – Unspecified NE alarms

Table 35-580 PoolMinFreeExc

Alarm	Attributes	Applicable major NE releases
Name: PoolMinFreeExc (3696) Type: configurationAlarm (11) Package: dhcp Raised on class: dhcp.AddressPool	Severity: warning Implicitly cleared: false Default probable cause: actualFreeAddrBelowPoolMin (1434)	Unspecified
Description: The alarm is raised when the actual number of free addresses in a pool falls below the desired minimum number specified in the address pool configuration.		
Remedial action: The alarm is raised when the actual number of free addresses in a pool falls below the desired minimum number specified in the address pool configuration.		

Table 35-581 PortsSeggregated

Alarm	Attributes	Applicable major NE releases
Name: PortsSeggregated (746) Type: communicationsAlarm (4) Package: mpr Raised on class: mpr.VlanPathInstance	Severity: major Implicitly cleared: true Default probable cause: portsSeggregated (522)	Unspecified
Description: The alarm is raised when the two ports that are to be part of a service cross-connect are segregated.		
Remedial action: Seggregated ports are being used in service. Remove the port from Seggregation or use a port that is not involved in Seggregation.		

Table 35-582 PostDiscoveryScriptExecutionFailed

Alarm	Attributes	Applicable major NE releases
Name: PostDiscoveryScriptExecutionFailed (4868) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.NodeDiscoveryControl	Severity: major Implicitly cleared: false Default probable cause: scriptExecutionError (1936)	Unspecified
Description: The alarm is raised when the execution of the post discovery script failed. At this point, the NE is successfully discovered, only the auto configuration of the NE defined in the script failed. Manual intervention is required.		
Remedial action: The post discovery NE auto configuration script execution failed. run the script manually, or configure the NE manually. To clear the Failed post discovery script execution status, click the "Clear" button on the Node Discovery Control configuration form: Administration->Discovery Manager->Managed State tab. Clearing the script execution status will also clear the associated alarm.		

Table 35-583 PostDiscoveryScriptNotExecuted

Alarm	Attributes	Applicable major NE releases
Name: PostDiscoveryScriptNotExecuted (4869) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.NodeDiscoveryControl	Severity: warning Implicitly cleared: false Default probable cause: resyncFailed (24)	Unspecified
Description: The alarm is raised when the post discovery script is not executed. This is normally due to NE discovery failure. Manual intervention is required.		
Remedial action: The post discovery NE auto configuration script was not executed. Run the script manually, or configure the NE manually. This is normally due to NE discovery failure. Fix the node resync issue associated with the PollerProblem alarm, unmanage and delete the node from the network, then rescan the discovery rule.		

Table 35-584 PowerSupplyACRectifierFailure

Alarm	Attributes	Applicable major NE releases
Name: PowerSupplyACRectifierFailure (5181) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: minor Implicitly cleared: true Default probable cause: PowerSupplyACRectifierFailedorMissing (2097)	Unspecified
Description: This alarm is generated if any one of the AC rectifiers for a given power supply is in a failed state or is missing. When the alarm is raised during device discovery, one or both AC Rectifiers of the Power Supply Tray may be not equipped. When the alarm is raised while the device is in the managed state, one or both AC Rectifiers of the Power Supply Tray might be removed or they have a fault condition. The alarm clears when the status changes to OK.		
Remedial action: Ensure that the NE is properly connected to power. There is an increased risk of the power supply failing, causing insufficient power to the system. Please bring the AC rectifiers back online by equipping them properly. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 35-585 PowerSupplyVoltageAlarm

Alarm	Attributes	Applicable major NE releases
Name: PowerSupplyVoltageAlarm (1129) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupply	Severity: variable Implicitly cleared: false Default probable cause: powerSupplyFailure (117)	Unspecified
Description: The alarm is raised when the power supply voltage alarm state changes to a value other than Normal.		
Remedial action: Check the status of the site power supply.		

Table 35-586 PPPFail

Alarm	Attributes	Applicable major NE releases
Name: PPPFail (632) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Equipment	Severity: variable Implicitly cleared: true Default probable cause: pppFail (469)	Unspecified
Description: The alarm is raised when a PPP IP Fail condition is detected.		
Remedial action: Please refer 9500 Node Maintenance manual for remedial action information.		

Table 35-587 PppNcpFailure

Alarm	Attributes	Applicable major NE releases
Name: PppNcpFailure (3689) Type: processingErrorAlarm (81) Package: service Raised on class: service.ServiceAccessPoint	Severity: major Implicitly cleared: false Default probable cause: sapAtmPppNcpFailure (1428)	Unspecified
Description: The alarm is raised when there is an NCP phase setup problem.		
Remedial action: This alarm indicates the NCP phase setup failed, thus IP protocol can not be configured for the user that attempted to set up the PPP session. Please verify NCP setup configuration.		

Table 35-588 PPPoASessionFailure

Alarm	Attributes	Applicable major NE releases
Name: PPPoASessionFailure (3688) Type: processingErrorAlarm (81) Package: service Raised on class: service.AccessInterface	Severity: major Implicitly cleared: false Default probable cause: sapAtmPppSessionFailure (1427)	Unspecified
Description: The alarm is raised when an NE notifies the 5620 SAM that it cannot create a PPPoA Session.		
Remedial action: This alarm indicates the problem encountered by NE while trying to create a new PPPoA session. Please review the alarm's additional text to obtain information about the error condition. Possible problems include authentication failures, LCP or IPCP layer problems during the session establishment, or possible mis-configuration on the service interface or PPP policy.		

Table 35-589 PPPoESessionFailure

Alarm	Attributes	Applicable major NE releases
Name: PPPoESessionFailure (2915) Type: processingErrorAlarm (81) Package: service Raised on class: service.ServiceAccessPoint	Severity: major Implicitly cleared: false Default probable cause: pppoeSessionFailed (1119)	Unspecified
Description: The alarm is raised when an NE notifies the 5620 SAM that it cannot create a PPPoE Session.		
Remedial action: This alarm indicates the problem encountered by NE while trying to create a new PPPoE session. Please review the alarm's additional text to obtain information about the error condition. Possible problems include authentication failures, LCP or IPCP layer problems during the session establishment, or possible mis-configuration on the service interface or PPP policy.		

Table 35-590 PrefixLimitExceeded

Alarm	Attributes	Applicable major NE releases
Name: PrefixLimitExceeded (4) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.Peer	Severity: critical Implicitly cleared: false Default probable cause: prefixLimitExceeded (4)	Unspecified
Description: The alarm is raised when a BGP instance learns the maximum number of peer routes.		
Remedial action: Informational. The threshold configured should be revisited to ensure that it is not set to low given the number of peer routes that are being received. If the threshold is set close to the maximum number of routes supported by the NE then it is probable that there is an issue with another NE in the network. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 35-591 PrefixLimitNearing

Alarm	Attributes	Applicable major NE releases
Name: PrefixLimitNearing (3) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.Peer	Severity: major Implicitly cleared: false Default probable cause: prefixLimitNearing (3)	Unspecified
Description: The alarm is raised when a BGP instance exceeds the threshold percentage of the configured maximum.		
Remedial action: Informational. The threshold configured should be revisited to ensure that it is not set to low given the number of peer routes that are being received. If the threshold is set close to the maximum number of routes supported by the NE then it is probable that there is an issue with another NE in the network. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 35-592 ProbeFailedAlarm (atm)

Alarm	Attributes	Applicable major NE releases
Name: ProbeFailedAlarm (3707) Type: oamAlarm (18) Package: atm Raised on class: atm.PvcConnection	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
Description: The alarm is raised when an OAM test on the object reports a probe failure.		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is un-reliable.		

Table 35-593 ProbeFailedAlarm (bgp)

Alarm	Attributes	Applicable major NE releases
Name: ProbeFailedAlarm (3707) Type: oamAlarm (18) Package: bgp Raised on class: bgp.Site	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
Description: The alarm is raised when an OAM test on the object reports a probe failure.		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is un-reliable.		

Table 35-594 ProbeFailedAlarm (ethernetoam)

Alarm	Attributes	Applicable major NE releases
Name: ProbeFailedAlarm (3707) Type: oamAlarm (18) Package: ethernetoam Raised on class: ethernetoam.MaintAssociation	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
Description: The alarm is raised when an OAMtest on the object reports a probe failure.		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is un-reliable.		

Table 35-595 ProbeFailedAlarm (Idp)

Alarm	Attributes	Applicable major NE releases
Name: ProbeFailedAlarm (3707) Type: oamAlarm (18) Package: Idp Raised on class: Idp.Site	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
Description: The alarm is raised when an OAM test on the object reports a probe failure.		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is un-reliable.		

Table 35-596 ProbeFailedAlarm (Ite)

Alarm	Attributes	Applicable major NE releases
Name: ProbeFailedAlarm (3707) Type: oamAlarm (18) Package: Ite Raised on class: Ite.EPSPath	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
Description: The alarm is raised when ProbeFailedAlarm is raised for any test on this object.		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is un-reliable.		

Table 35-597 ProbeFailedAlarm (Iteservice)

Alarm	Attributes	Applicable major NE releases
Name: ProbeFailedAlarm (3707) Type: oamAlarm (18) Package: Iteservice Raised on class: Iteservice.MobileService	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
Description: The alarm is raised when an OAM test on the object reports a probe failure.		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 35-598 ProbeFailedAlarm (mirror)

Alarm	Attributes	Applicable major NE releases
Name: ProbeFailedAlarm (3707) Type: oamAlarm (18) Package: mirror Raised on class: mirror.Mirror	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
Description: The alarm is raised when an OAM test on the object reports a probe failure.		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 35-599 ProbeFailedAlarm (monpath)

Alarm	Attributes	Applicable major NE releases
Name: ProbeFailedAlarm (3707) Type: oamAlarm (18) Package: monpath Raised on class: monpath.MonitoredIpPath	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
Description: The alarm is raised when an OAM test on the object reports a probe failure.		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 35-600 ProbeFailedAlarm (mpls)

Alarm	Attributes	Applicable major NE releases
Name: ProbeFailedAlarm (3707) Type: oamAlarm (18) Package: mpls Raised on class: mpls.Lsp	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
Description: The alarm is raised when an OAM test on the object reports a probe failure.		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 35-601 ProbeFailedAlarm (mplstp)

Alarm	Attributes	Applicable major NE releases
Name: ProbeFailedAlarm (3707) Type: oamAlarm (18) Package: mplstp Raised on class: mplstp.TPLsp	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
Description: The alarm is raised when an OAM test on the object reports a probe failure.		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 35-602 ProbeFailedAlarm (netw)

Alarm	Attributes	Applicable major NE releases
Name: ProbeFailedAlarm (3707) Type: oamAlarm (18) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
Description: The alarm is raised when an OAM test on the object reports a probe failure.		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 35-603 ProbeFailedAlarm (pim)

Alarm	Attributes	Applicable major NE releases
Name: ProbeFailedAlarm (3707) Type: oamAlarm (18) Package: pim Raised on class: pim.Site	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
Description: The alarm is raised when an OAM test on the object reports a probe failure.		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is un-reliable.		

Table 35-604 ProbeFailedAlarm (rtr)

Alarm	Attributes	Applicable major NE releases
Name: ProbeFailedAlarm (3707) Type: oamAlarm (18) Package: rtr Raised on class: rtr.VirtualRouter	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
Description: The alarm is raised when an OAMtest on the object reports a probe failure.		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 35-605 ProbeFailedAlarm (service)

Alarm	Attributes	Applicable major NE releases
Name: ProbeFailedAlarm (3707) Type: oamAlarm (18) Package: service Raised on class: service.SpokeConnector	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
Description: The alarm is raised when ProbeFailedAlarm is raised for any test on this object.		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 35-606 ProbeFailedAlarm (svt)

Alarm	Attributes	Applicable major NE releases
Name: ProbeFailedAlarm (3707) Type: oamAlarm (18) Package: svt Raised on class: svt.Tunnel	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
Description: The alarm is raised when an OAM test on the object reports a probe failure.		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 35-607 ProbeFailedAlarm (vll)

Alarm	Attributes	Applicable major NE releases
Name: ProbeFailedAlarm (3707) Type: oamAlarm (18) Package: vll Raised on class: vll.Vll	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
Description: The alarm is raised when an OAM test on the object reports a probe failure.		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 35-608 ProbeFailedAlarm (vpls)

Alarm	Attributes	Applicable major NE releases
Name: ProbeFailedAlarm (3707) Type: oamAlarm (18) Package: vpls Raised on class: vpls.AbstractVpls	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
Description: The alarm is raised when an OAM test on the object reports a probe failure.		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 35-609 ProbeFailedAlarm (vprn)

Alarm	Attributes	Applicable major NE releases
Name: ProbeFailedAlarm (3707) Type: oamAlarm (18) Package: vprn Raised on class: vprn.Vprn	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
Description: The alarm is raised when an OAM test on the object reports a probe failure.		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 35-610 ProbeFailedAlarm2 (ethernetoam)

Alarm	Attributes	Applicable major NE releases
Name: ProbeFailedAlarm2 (3738) Type: oamAlarm (18) Package: ethernetoam Raised on class: ethernetoam.Mep	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
Description: The alarm is raised when an OAM test on the object reports a probe failure.		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is un-reliable.		

Table 35-611 ProbeFailedAlarm2 (lte)

Alarm	Attributes	Applicable major NE releases
Name: ProbeFailedAlarm2 (3738) Type: oamAlarm (18) Package: lte Raised on class: lte.EPSPeer	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
Description: The alarm is raised when ProbeFailedAlarm is raised for any test on this object.		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is un-reliable.		

Table 35-612 ProbeFailedAlarm2 (mpls)

Alarm	Attributes	Applicable major NE releases
Name: ProbeFailedAlarm2 (3738) Type: oamAlarm (18) Package: mpls Raised on class: mpls.P2MPDynamicLsp	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
Description: The alarm is raised when an OAM test on the object reports a probe failure.		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 35-613 ProbeFailedAlarm2 (rtr)

Alarm	Attributes	Applicable major NE releases
Name: ProbeFailedAlarm2 (3738) Type: oamAlarm (18) Package: rtr Raised on class: rtr.LDPTunnelInterface	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
Description: The alarm is raised when an OAM test on the object reports a probe failure.		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 35-614 ProbeFailedAlarm2 (service)

Alarm	Attributes	Applicable major NE releases
Name: ProbeFailedAlarm2 (3738) Type: oamAlarm (18) Package: service Raised on class: service.Site	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
Description: The alarm is raised when ProbeFailedAlarm is raised for any test on this object.		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 35-615 ProbeFailedAlarm2 (svt)

Alarm	Attributes	Applicable major NE releases
Name: ProbeFailedAlarm2 (3738) Type: oamAlarm (18) Package: svt Raised on class: svt.SdpBinding	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
Description: The alarm is raised when an OAMtest on the object reports a probe failure.		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 35-616 ProbeFailedAlarm3 (mpls)

Alarm	Attributes	Applicable major NE releases
Name: ProbeFailedAlarm3 (3885) Type: oamAlarm (18) Package: mpls Raised on class: mpls.LspPath	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
Description: The alarm is raised when an OAM test on the object reports a probe failure.		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 35-617 ProbeFailedAlarm3 (service)

Alarm	Attributes	Applicable major NE releases
Name: ProbeFailedAlarm3 (3885) Type: oamAlarm (18) Package: service Raised on class: service.CompositeService	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
Description: The alarm is raised when an OAM test on the object reports a probe failure.		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 35-618 ProbeFailureAlarm

Alarm	Attributes	Applicable major NE releases
Name: ProbeFailureAlarm (3902) Type: oamAlarm (18) Package: sas Raised on class: sas.Test	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
Description: This alarm is raised when a probe failure trap is received from the node.		
Remedial action: Fix network connections issues.		

Table 35-619 ProvisioningMismatch

Alarm	Attributes	Applicable major NE releases
Name: ProvisioningMismatch (634) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: variable Implicitly cleared: true Default probable cause: provisioningMismatch (470)	Unspecified
Description: The alarm is raised when a license mismatch is detected for provisioned equipment.		
Remedial action: Please refer 9500 Node Maintenance manual for remedial action information.		

Table 35-620 PTPCardNotSupportedAlarm

Alarm	Attributes	Applicable major NE releases
Name: PTPCardNotSupportedAlarm (3603) Type: equipmentAlarm (3) Package: ptp Raised on class: ptp.IEEEPTPClock	Severity: minor Implicitly cleared: true Default probable cause: PTPCardNotSupported (1392)	Unspecified
Description: The alarm is raised when the Precision Timing Protocol (PTP) is enabled on a card that does not support clock recovery.		
Remedial action: Please enable PTP on CPM which supports OCX0 oscillator type		

Table 35-621 PTPClockRecoveryStateAlarm

Alarm	Attributes	Applicable major NE releases
Name: PTPClockRecoveryStateAlarm (3605) Type: communicationsAlarm (4) Package: ptp Raised on class: ptp.IEEEPTPClock	Severity: info Implicitly cleared: false Default probable cause: PTPClockRecoveryStateChange (1394)	Unspecified
Description: The alarm is raised when the aluPtpClockRecoveryState changes for an IEEE 1588 Precision Timing Protocol (PTP) clock.		
Remedial action: Informational		

35 – Unspecified NE alarms

Table 35-622 PTPMasterChangeAlarm

Alarm	Attributes	Applicable major NE releases
Name: PTPMasterChangeAlarm (3606) Type: communicationsAlarm (4) Package: ptp Raised on class: ptp.IEEEPTPClock	Severity: info Implicitly cleared: false Default probable cause: PTPMasterChange (1395)	Unspecified
Description: The alarm is raised when there is a change in the synchronization source for a Precision Timing Protocol (PTP) clock.		
Remedial action: Informational		

Table 35-623 PTPOutOfResourcesAlarm

Alarm	Attributes	Applicable major NE releases
Name: PTPOutOfResourcesAlarm (3607) Type: equipmentAlarm (3) Package: ptp Raised on class: ptp.IEEEPTPClock	Severity: minor Implicitly cleared: true Default probable cause: PTPOutOfResources (1396)	Unspecified
Description: The alarm is raised when the Precision Timing Protocol (PTP) process on the card is out of resources. This may occur in either of two situations: 1. The number of PTP peers exceeds the system limit. 2. The total unicast packet rate negotiated with all PTP peers reaches the maximum packet rate supported by the system.		
Remedial action: Informational		

Table 35-624 PTPPortDSPortStateAlarm

Alarm	Attributes	Applicable major NE releases
Name: PTPPortDSPortStateAlarm (3610) Type: communicationsAlarm (4) Package: ptp Raised on class: ptp.IEEETPPort	Severity: info Implicitly cleared: true Default probable cause: PTPPortDSPortState (1399)	Unspecified
Description: The alarm is raised when the aluPtpPortDSPortState changes for an IEEE 1588 Precision Timing Protocol (PTP) port.		
Remedial action: Informational.		

Table 35-625 PTPQualityLevelChangedAlarm

Alarm	Attributes	Applicable major NE releases
Name: PTPQualityLevelChangedAlarm (3612) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: false Default probable cause: PTPQualityLevelChanged (1401)	Unspecified
Description: The alarm is raised when there is a change of the received quality level on the Precision Timing Protocol (PTP).		
Remedial action: Informational only.		

Table 35-626 QChipBufferMemoryEvent

Alarm	Attributes	Applicable major NE releases
Name: QChipBufferMemoryEvent (4990) Type: hardwareAnomaly (55) Package: equipment Raised on class: equipment.Card	Severity: minor Implicitly cleared: true Default probable cause: bufMemoryError (2044)	Unspecified
Description: The alarm is raised when a Q-chip experiences an occurrence of a buffer memory error on IOM or CPM.		
Remedial action: A fault has been detected in the hardware if the problem persists please contact Alcatel-Lucent support for assistance.		

Table 35-627 QChipIfCellEvent

Alarm	Attributes	Applicable major NE releases
Name: QChipIfCellEvent (4991) Type: hardwareAnomaly (55) Package: equipment Raised on class: equipment.Card	Severity: minor Implicitly cleared: true Default probable cause: ifCellError (2045)	Unspecified
Description: The alarm is raised when an inter-chip interface (XPL2 bundle) experiences internal datapath cell errors on IOM or CPM.		
Remedial action: A fault has been detected in the hardware if the problem persists please contact Alcatel-Lucent support for assistance.		

Table 35-628 QChipIfDownEvent

Alarm	Attributes	Applicable major NE releases
Name: QChipIfDownEvent (4992) Type: hardwareAnomaly (55) Package: equipment Raised on class: equipment.Card	Severity: minor Implicitly cleared: true Default probable cause: ifDownError (2046)	Unspecified
Description: The alarm is raised when an inter-chip interface (XPL2 bundle) experiences an internal datapath problem on IOM or CPM.		
Remedial action: A fault has been detected in the hardware if the problem persists please contact Alcatel-Lucent support for assistance.		

Table 35-629 QChipIntMemoryEvent

Alarm	Attributes	Applicable major NE releases
Name: QChipIntMemoryEvent (4993) Type: hardwareAnomaly (55) Package: equipment Raised on class: equipment.Card	Severity: minor Implicitly cleared: true Default probable cause: intMemoryError (2047)	Unspecified
Description: The alarm is raised when a Q-chip experiences an occurrence of an internal memory error on IOM or CPM.		
Remedial action: A fault has been detected in the hardware if the problem persists please contact Alcatel-Lucent support for assistance.		

Table 35-630 QChipStatsMemoryEvent

Alarm	Attributes	Applicable major NE releases
Name: QChipStatsMemoryEvent (4994) Type: hardwareAnomaly (55) Package: equipment Raised on class: equipment.Card	Severity: minor Implicitly cleared: true Default probable cause: statsMemoryError (2048)	Unspecified
Description: The alarm is raised when a Q-chip experiences an occurrence of a statistics memory error on IOM or CPM.		
Remedial action: A fault has been detected in the hardware if the problem persists please contact Alcatel-Lucent support for assistance.		

Table 35-631 QueryVerMismatch

Alarm	Attributes	Applicable major NE releases
Name: QueryVerMismatch (159) Type: configurationAlarm (11) Package: igmp Raised on class: igmp.Interface	Severity: warning Implicitly cleared: false Default probable cause: InvalidVersionOfQueryMessageReceived (129)	Unspecified
Description: The alarm is raised when an interface configured for IGMPv3 receives a query message for an earlier IGMP version. The interface subsequently enters an IGMP mode that is compatible with the earlier version. The alarm information includes the IGMP version on the interface and the IGMP version of the received query.		
Remedial action: Informational - no corrective action required.		

Table 35-632 RadAcctOnOngoing

Alarm	Attributes	Applicable major NE releases
Name: RadAcctOnOngoing (4971) Type: radiusAccountingPolicyAlarm (38) Package: aaa Raised on class: aaa.RadiusServerPolicy	Severity: minor Implicitly cleared: false Default probable cause: TooManyUnacknowledgedRadiusAccountingOnMessages (2025) Applicable probable causes: <ul style="list-style-type: none"> • TooManyUnacknowledgedRadiusAccountingOnMessages • MisconfiguredPolicy • RadiusServerUnreachable • MissingClientInformation 	Unspecified
Description: The alarm is raised each time when the RADIUS client has sent 10 RADIUS Accounting-On messages without receiving any acknowledgement from the RADIUS server.		
Remedial action: Ensure that: 1.The RADIUS server is up and running. 2.The RADIUS server policy configuration is correct. Please note that this system will keep on retrying indefinitely until it receives an acknowledgement from the RADIUS server.		

Table 35-633 RadioHop15TCA

Alarm	Attributes	Applicable major NE releases
Name: RadioHop15TCA (4835) Type: communicationsAlarm (4) Package: mwa Raised on class: mwa.PortTermination	Severity: variable Implicitly cleared: true Default probable cause: ThresholdCrossed (1920)	Unspecified
Description: The alarm is raised when a MPT detects a threshold crossing - Radio hop 15 minutes TCA		
Remedial action: Please refer to either 9500 or 7705 Node Maintenance manual for remedial action information.		

Table 35-634 RadioHop15UAT

Alarm	Attributes	Applicable major NE releases
Name: RadioHop15UAT (4836) Type: communicationsAlarm (4) Package: mwa Raised on class: mwa.PortTermination	Severity: variable Implicitly cleared: true Default probable cause: UnavailableTime (1921)	Unspecified
Description: The alarm is raised when a MPT detects a threshold crossing - Radio hop 15 minutes UAT		
Remedial action: Please refer to either 9500 or 7705 Node Maintenance manual for remedial action information.		

Table 35-635 RadioHop24TCA

Alarm	Attributes	Applicable major NE releases
Name: RadioHop24TCA (4837) Type: communicationsAlarm (4) Package: mwa Raised on class: mwa.PortTermination	Severity: variable Implicitly cleared: true Default probable cause: ThresholdCrossed (1920)	Unspecified
Description: The alarm is raised when a MPT detects a threshold crossing - Radio hop 24 Hours TCA		
Remedial action: Please refer to either 9500 or 7705 Node Maintenance manual for remedial action information.		

Table 35-636 RadioHop24UAT

Alarm	Attributes	Applicable major NE releases
Name: RadioHop24UAT (4838) Type: communicationsAlarm (4) Package: mwa Raised on class: mwa.PortTermination	Severity: variable Implicitly cleared: true Default probable cause: UnavailableTime (1921)	Unspecified
Description: The alarm is raised when a MPT detects a threshold crossing - Radio hop 24 Hours UAT		
Remedial action: Please refer to either 9500 or 7705 Node Maintenance manual for remedial action information.		

Table 35-637 RadioLink15TCA

Alarm	Attributes	Applicable major NE releases
Name: RadioLink15TCA (4839) Type: communicationsAlarm (4) Package: mwa Raised on class: mwa.PortTermination	Severity: variable Implicitly cleared: true Default probable cause: ThresholdCrossed (1920)	Unspecified

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when a MPT detects a threshold crossing - Radio Link 15 minutes TCA		
Remedial action: Please refer to either 9500 or 7705 Node Maintenance manual for remedial action information.		

(2 of 2)

Table 35-638 RadioLink15UAT

Alarm	Attributes	Applicable major NE releases
Name: RadioLink15UAT (4840) Type: communicationsAlarm (4) Package: mwa Raised on class: mwa.PortTermination	Severity: variable Implicitly cleared: true Default probable cause: UnavailableTime (1921)	Unspecified
Description: The alarm is raised when a MPT detects a threshold crossing - Radio Link 15 minutes UAT		
Remedial action: Please refer to either 9500 or 7705 Node Maintenance manual for remedial action information.		

Table 35-639 RadioLink24TCA

Alarm	Attributes	Applicable major NE releases
Name: RadioLink24TCA (4841) Type: communicationsAlarm (4) Package: mwa Raised on class: mwa.PortTermination	Severity: variable Implicitly cleared: true Default probable cause: ThresholdCrossed (1920)	Unspecified
Description: The alarm is raised when a MPT detects a threshold crossing - Radio Link 24 Hours TCA		
Remedial action: Please refer to either 9500 or 7705 Node Maintenance manual for remedial action information.		

Table 35-640 RadioLink24UAT

Alarm	Attributes	Applicable major NE releases
Name: RadioLink24UAT (4842) Type: communicationsAlarm (4) Package: mwa Raised on class: mwa.PortTermination	Severity: variable Implicitly cleared: true Default probable cause: UnavailableTime (1921)	Unspecified
Description: The alarm is raised when a MPT detects a threshold crossing - Radio Link 24 Hours UAT		
Remedial action: Please refer to either 9500 or 7705 Node Maintenance manual for remedial action information.		

Table 35-641 RadioLinkAMAbnormalState

Alarm	Attributes	Applicable major NE releases
Name: RadioLinkAMAbnormalState (3943) Type: radiolinkAMABNAlarm (119) Package: radioequipment Raised on class: radioequipment.RadioPortSpecifics	Severity: variable Implicitly cleared: true Default probable cause: RadiolinkAMABNProblem (1525)	Unspecified
Description: The alarm is raised when abnormal state resulted due to Radio link AM mode.		
Remedial action: The alarm is raised when abnormal state resulted due to Radio link AM mode.		

Table 35-642 RadioLinkDown

Alarm	Attributes	Applicable major NE releases
Name: RadioLinkDown (747) Type: communicationsAlarm (4) Package: mpr Raised on class: mpr.VlanPath	Severity: major Implicitly cleared: true Default probable cause: radioLinkDown (523)	Unspecified
Description: The alarm is raised when the radio link between two hops of a VLAN path is down.		
Remedial action: Check if the port that is used in the Radio link is operationally up.		

Table 35-643 RadioLoopProblemCh1

Alarm	Attributes	Applicable major NE releases
Name: RadioLoopProblemCh1 (4843) Type: communicationsAlarm (4) Package: mwa Raised on class: mwa.PortTermination	Severity: variable Implicitly cleared: true Default probable cause: LoopProblem (1922)	Unspecified
Description: The alarm is raised when a MPT detects a ATPC/ACM Loop problem - CH1 Radio Loop Problem		
Remedial action: Please refer to either 9500 or 7705 Node Maintenance manual for remedial action information.		

Table 35-644 RadioLoopProblemChx

Alarm	Attributes	Applicable major NE releases
Name: RadioLoopProblemChx (4844) Type: communicationsAlarm (4) Package: mwa Raised on class: mwa.PortTermination	Severity: variable Implicitly cleared: true Default probable cause: LoopProblem (1922)	Unspecified

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when a MPT detects a ATPC/ACM Loop problem - CHX Radio Loop Problem		
Remedial action: Please refer to either 9500 or 7705 Node Maintenance manual for remedial action information.		

(2 of 2)

Table 35-645 RadioRdi

Alarm	Attributes	Applicable major NE releases
Name: RadioRdi (4846) Type: communicationsAlarm (4) Package: mwa Raised on class: mwa.PortTermination	Severity: major Implicitly cleared: true Default probable cause: Rdi (1888)	Unspecified
Description: The alarm is raised when a microwave radio device receives a remote defect indication from the far end microwave radio.		
Remedial action: Please refer to either 9500 or 7705 Node Maintenance manual for remedial action information.		

Table 35-646 RadioSwPackageMissing

Alarm	Attributes	Applicable major NE releases
Name: RadioSwPackageMissing (4848) Type: integrityViolation (85) Package: mwa Raised on class: mwa.PortTermination	Severity: warning Implicitly cleared: true Default probable cause: SwPackageMissing (1925)	Unspecified
Description: The alarm is raised when a valid microwave radio software package is not present at startup.		
Remedial action: Please refer to either 9500 or 7705 Node Maintenance manual for remedial action information.		

Table 35-647 RadiusAcctPlcyFailure

Alarm	Attributes	Applicable major NE releases
Name: RadiusAcctPlcyFailure (363) Type: radiusAccountingPolicyAlarm (38) Package: radiusaccounting Raised on class: radiusaccounting.Policy	Severity: major Implicitly cleared: false Default probable cause: radiusAccountingRequestFailure (260)	Unspecified
Description: The alarm is raised when a RADIUS accounting request is not successfully sent to any of the RADIUS servers specified in the RADIUS accounting policy.		
Remedial action: The Radius server(s) which are configured in the accounting policy are unreachable. This may occur in a number of different scenarios. The server(s) may have become unresponsive - please refer to the Radius server documentation for assistance. The network connectivity to the server(s) may have been lost - please investigate why the underlying transport network is unreliable.		

Table 35-648 RadiusInsertedFiltrEntryDropped

Alarm	Attributes	Applicable major NE releases
Name: RadiusInsertedFiltrEntryDropped (1152) Type: configurationAlarm (11) Package: acfilter Raised on class: acfilter.FilterDefinition	Severity: warning Implicitly cleared: false Default probable cause: FilterEntryDropped (856)	Unspecified
Description: The alarm is raised when a request to insert a filter entry is not successful for a RADIUS application.		
Remedial action: A Configuration error has occurred. The request to insert a filter entry was not successful for Radius application. Check the configuration filter entry.		

Table 35-649 RadiusInsertSpaceThresholdAlarm

Alarm	Attributes	Applicable major NE releases
Name: RadiusInsertSpaceThresholdAlarm (1151) Type: configurationAlarm (11) Package: acfilter Raised on class: acfilter.FilterDefinition	Severity: major Implicitly cleared: true Default probable cause: UtilizationExceedConfiguredLimit (855)	Unspecified
Description: The alarm is raised when the utilization of a filter entry range that is reserved for filter entry insertion increases to the configured maximum value for a RADIUS application insert range.		
Remedial action: The filter entry range reserved for filter entry insertion has increased to the configured high watermark for Radius application. Make an adjusted to the watermarks or to the filter.		

Table 35-650 radiusServerOverloaded

Alarm	Attributes	Applicable major NE releases
Name: radiusServerOverloaded (3913) Type: communicationsAlarm (4) Package: subscrauth Raised on class: subscrauth.RadiusEntry	Severity: major Implicitly cleared: true Default probable cause: radiusServerRequestLimitReached (1499)	Unspecified
Description: The alarm is raised when the RADIUS server is overloaded.		
Raising condition: (('Operational State' EQUAL 'Over Loaded'))		
Clearing condition: (('Operational State' NOT EQUAL 'Over Loaded'))		
Remedial action: Verify the RADIUS server is properly configured to process pending authentication requests at the desired rate and ensure that this rate matches the authentication request limit defined for this RADIUS server on the network element.		

Table 35-651 RadRouteDownloadFailed

Alarm	Attributes	Applicable major NE releases
Name: RadRouteDownloadFailed (4418) Type: communicationsAlarm (4) Package: aaa Raised on class: aaa.RouteDownloadPolicy	Severity: warning Implicitly cleared: false Default probable cause: networkDegradation (204)	Unspecified
Description: The alarm is raised when a RADIUS route-download process fails.		
Remedial action: Ensure that: 1.The routes defined in the RADIUS Server have a valid syntax. 2.The number of downloaded routes is less than the maximum. 3.There are no issues affecting the node's ability to populate the routes into the routing table.		

Table 35-652 RDI (mpr)

Alarm	Attributes	Applicable major NE releases
Name: RDI (806) Type: communicationsAlarm (4) Package: mpr Raised on class: mpr.IMALink	Severity: minor Implicitly cleared: true Default probable cause: remoteDefectIndication (572)	Unspecified
Description: The alarm is raised when a Remote Defect Indication signal is detected on an ASAP MDA.		
Remedial action: Please refer 9500 Node Maintenance manual for remedial action information.		

Table 35-653 RDICH1

Alarm	Attributes	Applicable major NE releases
Name: RDICH1 (4833) Type: communicationsAlarm (4) Package: mwa Raised on class: mwa.PortTermination	Severity: variable Implicitly cleared: true Default probable cause: RemoteDefectIndication (1919)	Unspecified
Description: The alarm is raised when a MPT receives a remote MPT CH1 remote defect indication		
Remedial action: Please refer to either 9500 or 7705 Node Maintenance manual for remedial action information.		

Table 35-654 RDICHx

Alarm	Attributes	Applicable major NE releases
Name: RDICHx (4834) Type: communicationsAlarm (4) Package: mwa Raised on class: mwa.PortTermination	Severity: variable Implicitly cleared: true Default probable cause: RemoteDefectIndication (1919)	Unspecified
Description: The alarm is raised when a MPT receives a remote MPT CHX remote defect indication		
Remedial action: Please refer to either 9500 or 7705 Node Maintenance manual for remedial action information.		

Table 35-655 ReceivedHigherBridgePriority

Alarm	Attributes	Applicable major NE releases
Name: ReceivedHigherBridgePriority (504) Type: SdpBindingAlarm (30) Package: I2fwd Raised on class: I2fwd.CircuitStp	Severity: warning Implicitly cleared: false Default probable cause: customerDeviceMisconfigured (332)	Unspecified
Description: The alarm is raised when a customer NE is configured with a bridge priority of zero. The SDP binding that connects to the customer device is subsequently blocked.		
Remedial action: Remove the customer's device or reconfigure the customer's bridge priority with value greater than zero.		

Table 35-656 RedundancySwitchover

Alarm	Attributes	Applicable major NE releases
Name: RedundancySwitchover (181) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: false Default probable cause: CPMSwitchover (1440)	Unspecified
Description: The alarm is raised when a 5620 SAM main server receives a CPMSwitchover trap from an NE, which indicates that the standby CPM detects an active CPM failure and is preparing to take over as the new active CPM.		
Remedial action: Informational.		

Table 35-657 RedundantIfMismatch

Alarm	Attributes	Applicable major NE releases
Name: RedundantIfMismatch (419) Type: configurationAlarm (11) Package: srrp Raised on class: srrp.Instance	Severity: major Implicitly cleared: false Default probable cause: redundantIfNotProperlyPaired (312)	Unspecified
Description: The alarm is raised when the local and remote redundant interfaces are not correctly paired.		
Remedial action: Reconfigure the redundant interfaces for the peer SRRP instances so that they match each other.		

Table 35-658 RedundantRadioLink

Alarm	Attributes	Applicable major NE releases
Name: RedundantRadioLink (1081) Type: configurationAlarm (11) Package: netw Raised on class: netw.RadioPhysicalLink	Severity: minor Implicitly cleared: false Default probable cause: redundantRadioLinkConfigured (819)	Unspecified
Description: The alarm is raised when a radio link is discovered between two nodes when there is already a physical link(s) between the same nodes.		
Remedial action: Informational-this alarm indicates that there is another radio link between the nodes involved.		

Table 35-659 ReferenceOneLossOfSignal

Alarm	Attributes	Applicable major NE releases
Name: ReferenceOneLossOfSignal (1953) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: ReferenceOneLossOfSignal (941)	Unspecified
Description: The alarm is raised when the Timing Reference One on an NE is not qualified due to Loss of Signal.		
Raising condition: (('Not Qualified Due To'anyBit'LOS'))		
Clearing condition: NOT (('Not Qualified Due To'anyBit'LOS'))		
Remedial action: Make sure that peer connected to Reference One is properly configured.		

Table 35-660 ReferenceOneOutOfFrequency

Alarm	Attributes	Applicable major NE releases
Name: ReferenceOneOutOfFrequency (1954) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: ReferenceOneOutOfFrequency (942)	Unspecified
Description: The alarm is raised when the Timing Reference One on an NE is not qualified due to Out of frequency.		
Raising condition: (('Not Qualified Due To'anyBit'OOF'))		
Clearing condition: NOT (('Not Qualified Due To'anyBit'OOF'))		
Remedial action: Check the communication path is up between the local PTP slave clock and its selected master		

Table 35-661 ReferenceOneOutOfPollInRange

Alarm	Attributes	Applicable major NE releases
Name: ReferenceOneOutOfPollInRange (1955) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: ReferenceOneOutOfPollInRange (943)	Unspecified
Description: The alarm is raised when the Timing Reference One on an NE is not qualified due to Out of poll in range.		
Raising condition: (('Not Qualified Due To'anyBit'OOPIR'))		
Clearing condition: NOT (('Not Qualified Due To'anyBit'OOPIR'))		
Remedial action: Check the timing reference is configured correctly. Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 35-662 ReferenceTwoLossOfSignal

Alarm	Attributes	Applicable major NE releases
Name: ReferenceTwoLossOfSignal (1956) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: ReferenceTwoLossOfSignal (944)	Unspecified
Description: The alarm is raised when the Timing Reference Two on an NE is not qualified due to Loss of Signal.		
Raising condition: (('Not Qualified Due To'anyBit'LOS'))		
Clearing condition: NOT (('Not Qualified Due To'anyBit'LOS'))		
Remedial action: Make sure that peer connected to Reference Two is properly configured.		

Table 35-663 ReferenceTwoOutOfFrequency

Alarm	Attributes	Applicable major NE releases
Name: ReferenceTwoOutOfFrequency (1957) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: ReferenceTwoOutOfFrequency (945)	Unspecified
Description: The alarm is raised when the Timing Reference Two on an NE is not qualified due to Out of frequency.		
Raising condition: (('Not Qualified Due To'anyBit'OOFF'))		
Clearing condition: NOT (((('Not Qualified Due To'anyBit'OOFF'))))		
Remedial action: Make sure that frequency configured for Reference Two is correct.		

Table 35-664 ReferenceTwoOutOfPollInRange

Alarm	Attributes	Applicable major NE releases
Name: ReferenceTwoOutOfPollInRange (1958) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: ReferenceTwoOutOfPollInRange (946)	Unspecified
Description: The alarm is raised when the Timing Reference Two on an NE is not qualified due to Out of poll in range.		
Raising condition: (('Not Qualified Due To'anyBit'OOPIR'))		
Clearing condition: NOT (((('Not Qualified Due To'anyBit'OOPIR'))))		
Remedial action: Check the timing reference is configured correctly. Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 35-665 RemoteDefectIndication

Alarm	Attributes	Applicable major NE releases
Name: RemoteDefectIndication (2942) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Port	Severity: variable Implicitly cleared: true Default probable cause: remoteDefectIndication (572)	Unspecified
Description: The alarm is raised when a RDI occurs.		
Remedial action: Please refer 9500 Node Maintenance manual for remedial action information.		

Table 35-666 RemoteNEFailure

Alarm	Attributes	Applicable major NE releases
Name: RemoteNEFailure (1173) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: variable Implicitly cleared: true Default probable cause: remoteNEFailure (874)	Unspecified
Description: The alarm is raised when a remote NE failure is detected.		
Remedial action: Please refer 9500 Node Maintenance manual for remedial action information.		

Table 35-667 ReplaceableUnitMissing

Alarm	Attributes	Applicable major NE releases
Name: ReplaceableUnitMissing (635) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: variable Implicitly cleared: true Default probable cause: cardMissing (471)	Unspecified
Description: The alarm is raised when a device detects that a provisioned card is not physically present.		
Remedial action: Informational - no corrective action required.		

Table 35-668 ReplaceableUnitProblem (equipment)

Alarm	Attributes	Applicable major NE releases
Name: ReplaceableUnitProblem (636) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: variable Implicitly cleared: true Default probable cause: cardFail (472)	Unspecified
Description: The alarm is raised when a card fails.		
Remedial action: Please refer 9500 Node Maintenance manual for remedial action information.		

Table 35-669 ReplaceableUnitProblem (mpr)

Alarm	Attributes	Applicable major NE releases
Name: ReplaceableUnitProblem (636) Type: equipmentAlarm (3) Package: mpr Raised on class: mpr.SubRackElements	Severity: variable Implicitly cleared: true Default probable cause: cardFail (472)	Unspecified

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when a card fails.		
Remedial action: Please refer 9500 Node Maintenance manual for remedial action information.		

(2 of 2)

Table 35-670 ReplaceableUnitTypeMismatch (equipment)

Alarm	Attributes	Applicable major NE releases
Name: ReplaceableUnitTypeMismatch (637) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: variable Implicitly cleared: true Default probable cause: equipmentMismatch (473)	Unspecified
Description: The alarm is raised when there is a mismatch between the installed card type and the expected card type.		
Remedial action: A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

Table 35-671 ReplaceableUnitTypeMismatch (mpr)

Alarm	Attributes	Applicable major NE releases
Name: ReplaceableUnitTypeMismatch (637) Type: equipmentAlarm (3) Package: mpr Raised on class: mpr.SubRackElements	Severity: variable Implicitly cleared: true Default probable cause: equipmentMismatch (473)	Unspecified
Description: The alarm is raised when there is a mismatch between the installed equipment type and the expected equipment type.		
Remedial action: A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

Table 35-672 ReplicationLmtExceeded

Alarm	Attributes	Applicable major NE releases
Name: ReplicationLmtExceeded (3968) Type: resourceAlarm (28) Package: equipment Raised on class: equipment.BaseCard	Severity: info Implicitly cleared: false Default probable cause: resourceLimitReached (131)	Unspecified
Description: The alarm is raised when an IOM fails to program an OIF for an (S,G) record because the replication limit for that (S,G) on that IOM has been reached. The replication limit per (S,G) entry on an IOM is currently 127.		
Remedial action: Informational - no corrective action required		

Table 35-673 ResiliencySapDeleted

Alarm	Attributes	Applicable major NE releases
Name: ResiliencySapDeleted (688) Type: resiliencyAlarm (58) Package: resiliency Raised on class: resiliency.HsdpaResiliency	Severity: major Implicitly cleared: true Default probable cause: resiliencySapDeleted (503)	Unspecified
Description: The alarm is raised when a SAP that is used for resiliency is deleted.		
Remedial action: Informational.		

Table 35-674 ResiliencyServiceSwitch

Alarm	Attributes	Applicable major NE releases
Name: ResiliencyServiceSwitch (689) Type: resiliencyAlarm (58) Package: resiliency Raised on class: resiliency.HsdpaResiliency	Severity: major Implicitly cleared: true Default probable cause: secondaryServiceSiteActive (504)	Unspecified
Description: The alarm is raised when a secondary service becomes active.		
Remedial action: Informational.		

Table 35-675 ResiliencySiteDeleted

Alarm	Attributes	Applicable major NE releases
Name: ResiliencySiteDeleted (690) Type: resiliencyAlarm (58) Package: resiliency Raised on class: resiliency.HsdpaResiliency	Severity: major Implicitly cleared: true Default probable cause: secondaryServiceSiteDeleted (505)	Unspecified
Description: The alarm is raised when a secondary service site is deleted.		
Remedial action: Informational.		

Table 35-676 restoreFailureAlarm

Alarm	Attributes	Applicable major NE releases
Name: restoreFailureAlarm (535) Type: softwareAlarm (19) Package: sw Raised on class: sw.SoftwareControlModule	Severity: major Implicitly cleared: false Default probable cause: restoreFailureAlarm (404)	Unspecified

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when the software restore process on an NE fails.		
Remedial action: The SW image on the NE may have been inadvertently corrupted. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

(2 of 2)

Table 35-677 RetimingBufferOverflow

Alarm	Attributes	Applicable major NE releases
Name: RetimingBufferOverflow (1130) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Port	Severity: variable Implicitly cleared: true Default probable cause: bufferOverflow (839)	Unspecified
Description: The alarm is raised when an retiming buffer overflow occurs.		
Remedial action: Please refer 9500 Node Maintenance manual for remedial action information.		

Table 35-678 RevertiveMismatch

Alarm	Attributes	Applicable major NE releases
Name: RevertiveMismatch (4899) Type: pathAlarm (12) Package: mplstp Raised on class: mplstp.PathMep	Severity: warning Implicitly cleared: true Default probable cause: RevertiveMismatch (1956)	Unspecified
Description: This alarm is generated when an MPLS-TP LSP revertive mode mismatch is detected on the protection MEP. The revertive mode must match on the local node and the far-end node.		
Remedial action: This alarm is generated when an MPLS-TP LSP revertive mode mismatch is detected on the protection MEP. The revertive mode must match on the local node and the far-end node.		

Table 35-679 RFSwitchFail

Alarm	Attributes	Applicable major NE releases
Name: RFSwitchFail (5425) Type: equipmentAlarm (3) Package: mpr Raised on class: mpr.SubRackElements	Severity: variable Implicitly cleared: true Default probable cause: rFSwitchFail (2128)	Unspecified
Description: The alarm is raised when a RF switch failure is detected.		
Remedial action: The alarm is raised when RF switch failure is detected. Refer 9500 Node Maintenance manual for remedial action information		

Table 35-680 RingAuditProblem

Alarm	Attributes	Applicable major NE releases
Name: RingAuditProblem (4995) Type: configurationAlarm (11) Package: ethring Raised on class: ethring.Ring	Severity: major Implicitly cleared: false Default probable cause: invalidConfiguration (2049)	Unspecified
Description: The alarm is raised when the Ring Audit has detected a problem.		
Remedial action: A configuration error has been made which must be corrected. Please see the additional test for more details.		

Table 35-681 RipAuthenticationFailure

Alarm	Attributes	Applicable major NE releases
Name: RipAuthenticationFailure (70) Type: authenticationAlarm (14) Package: rip Raised on class: rip.Interface	Severity: warning Implicitly cleared: false Default probable cause: authFailure (46)	Unspecified
Description: The alarm is raised when a peer authentication failure occurs. The alarm information includes the peer address.		
Remedial action: Informational - please check that RIP neighbor is sending the RIPv2 packet with the matching authentication key with this router.		

Table 35-682 RipAuthenticationMismatch

Alarm	Attributes	Applicable major NE releases
Name: RipAuthenticationMismatch (71) Type: authenticationAlarm (14) Package: rip Raised on class: rip.Interface	Severity: warning Implicitly cleared: false Default probable cause: authTypeMismatch (45)	Unspecified
Description: The alarm is raised when a peer authentication mismatch occurs. The alarm indicates the peer address.		
Remedial action: Informational - please check that RIP neighbor is sending the RIPv2 packet with the matching authentication type with this router.		

Table 35-683 RipExportLimitDropped

Alarm	Attributes	Applicable major NE releases
Name: RipExportLimitDropped (1927) Type: configurationAlarm (11) Package: rip Raised on class: rip.Site	Severity: warning Implicitly cleared: false Default probable cause: exportLimitDropped (598)	Unspecified
Description: The alarm is raised when the total number of exported routes from the route table to this RIP level drops below the configured export limit		
Remedial action: Informational.		

Table 35-684 RipExportLimitReached

Alarm	Attributes	Applicable major NE releases
Name: RipExportLimitReached (1928) Type: configurationAlarm (11) Package: rip Raised on class: rip.Site	Severity: warning Implicitly cleared: false Default probable cause: exportLimitReached (599)	Unspecified
Description: The alarm is raised when the total number of routes for the level is equal to the configured limit for exported routes		
Remedial action: Informational - Additional routes would not be exported into RIP from the route table.		

Table 35-685 RipExportLimitWarning

Alarm	Attributes	Applicable major NE releases
Name: RipExportLimitWarning (1929) Type: configurationAlarm (11) Package: rip Raised on class: rip.Site	Severity: warning Implicitly cleared: false Default probable cause: exportLimitWarning (600)	Unspecified
Description: The alarm is raised when the number of exported routes for the RIP level equals the percentage of the export limit configured in the Export Limit Log Percent parameter.		
Remedial action: Informational - Additional routes will continue to be exported into RIP from the route table till the export limit is reached.		

Table 35-686 ripRouteMaxLimitReached

Alarm	Attributes	Applicable major NE releases
Name: ripRouteMaxLimitReached (1090) Type: ProtocolAlarm (1) Package: rip Raised on class: rip.Site	Severity: warning Implicitly cleared: true Default probable cause: maxRouteReached (825)	Unspecified
Description: The alarm is raised when the number of RIP routes learned by an NE exceeds the maximum specified in the RIP configuration of the NE.		
Remedial action: Informational - no corrective action required		

Table 35-687 RootDirMaxFilesReached

Alarm	Attributes	Applicable major NE releases
Name: RootDirMaxFilesReached (3699) Type: storageAlarm (25) Package: equipment Raised on class: equipment.FlashMemory	Severity: variable Implicitly cleared: false Default probable cause: rootDirMaxFilesReached (1437)	Unspecified
Description: The alarm is raised when the number of files in the root directory reaches the maximum.		
Remedial action: This alarm has been raised due the fact that the number of files in the root directory of the compact flash has gone beyond the pre-defined limit. To rectify this issue please remove unused files from the root directory.		

Table 35-688 RouterLimitExceedDueToMultiAdditions

Alarm	Attributes	Applicable major NE releases
Name: RouterLimitExceedDueToMultiAdditions (602) Type: cpamLicensingAlarm (39) Package: security Raised on class: security.CpamLicense	Severity: critical Implicitly cleared: true Default probable cause: cpamRouterLimitExceedDueToMultiAdditions (448)	Unspecified
Description: The alarm is raised when the 5650 CPAM cannot discover one or more routers because the license capacity is reached.		
Raising condition: ('License violation due to multiple routers addition' EQUAL 'true')		
Clearing condition: ('License violation due to multiple routers addition' EQUAL 'false')		
Remedial action: Informational - The number of router (Big/Small/Multicast/Third Party) licenses purchased and available on the CPAM server is insufficient as compared to the number of big/small/multicast/third party routers under management in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

Table 35-689 RPSAbnormalState

Alarm	Attributes	Applicable major NE releases
Name: RPSAbnormalState (3934) Type: rpsAbnormalConditionAlarm (114) Package: mpr Raised on class: mpr.MPRProtection	Severity: variable Implicitly cleared: true Default probable cause: RPSProblem (1517)	Unspecified
Description: The alarm is raised when abnormal state resulted due to force switch/lockout operation in RPS mode.		
Remedial action: This alarm is raised when forced-switch/lockout command in RPS mode which led to an abnormal condition.		

Table 35-690 RPSFail

Alarm	Attributes	Applicable major NE releases
Name: RPSFail (1085) Type: communicationsAlarm (4) Package: radioequipment Raised on class: radioequipment.RadioPortSpecifics	Severity: variable Implicitly cleared: true Default probable cause: receiverProtectionFail (824)	Unspecified
Description: The alarm is raised when a receiver protection switchover fails.		
Remedial action: Please refer 9500 Node Maintenance manual for remedial action information.		

Table 35-691 RxFail

Alarm	Attributes	Applicable major NE releases
Name: RxFail (687) Type: communicationsAlarm (4) Package: radioequipment Raised on class: radioequipment.RadioPortSpecifics	Severity: variable Implicitly cleared: true Default probable cause: rxFail (502)	Unspecified
Description: The alarm is raised when an MSS detects a receive failure.		
Remedial action: Please refer 9500 Node Maintenance manual for remedial action information.		

Table 35-692 SapDHCPLeaseEntriesExceeded

Alarm	Attributes	Applicable major NE releases
Name: SapDHCPLeaseEntriesExceeded (386) Type: communicationsAlarm (4) Package: service Raised on class: service.AccessInterface	Severity: major Implicitly cleared: false Default probable cause: sapDHCPLeaseEntriesExceeded (290)	Unspecified

(1 of 2)

35 – Unspecified NE alarms

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when the number of DHCP lease-state entries on a SAP reaches the configured maximum value. This value is defined by sapTlsDhcpLeasePopulate for a TLS VLAN service, and by vRtrIfDHCPLeasePopulate for an IES or VPRN service.		
Remedial action: The Number of DHCP lease-state entries (e.g. subscribers) on the affected interface has crossed the leasePopulate threshold defined in the DHCP Relay configuration of that interface. Please review the DHCP leasePopulate configuration and adjust the number of allowed leases to meet the network requirements. Alternately, the DHCP leases can be spread out across extra interfaces.		

(2 of 2)

Table 35-693 sapDHCPLeaseStatePopulateErr

Alarm	Attributes	Applicable major NE releases
Name: sapDHCPLeaseStatePopulateErr (3908) Type: processingErrorAlarm (81) Package: service Raised on class: service.AccessInterface	Severity: major Implicitly cleared: false Default probable cause: sapDHCPLeaseStatePopulateError (1495)	Unspecified
Description: The alarm is raised when an NE notifies the 5620 SAM that it cannot update the DHCP Lease State table upon reception of a DHCP ACK message.		
Remedial action: The alarm is raised when an NE notifies the 5620 SAM that it cannot update the DHCP Lease State table upon reception of a DHCP ACK message. Verify the local DHCP server configuration or the DHCP relay configuration. Additionally, verify the length of the auto-generated subscriber identification.		

Table 35-694 sapDHCPProxyServerError

Alarm	Attributes	Applicable major NE releases
Name: sapDHCPProxyServerError (387) Type: communicationsAlarm (4) Package: service Raised on class: service.AccessInterface	Severity: major Implicitly cleared: false Default probable cause: UnableProxyDHCPRequest (291)	Unspecified
Description: The alarm is raised when the 5620 SAM is unable to proxy a DHCP request.		
Remedial action: Please verify your DHCP relay configuration. The local proxy server will not become operational without the emulated-server address being specified. Also ensure the Proxy server state is enabled on this SAP.		

Table 35-695 SapMismatch

Alarm	Attributes	Applicable major NE releases
Name: SapMismatch (417) Type: configurationAlarm (11) Package: srrp Raised on class: srrp.Instance	Severity: major Implicitly cleared: false Default probable cause: remoteSapMismatch (310)	Unspecified
Description: The alarm is raised when the SRRP SAPs on the local interface do not match the SRRP SAPs on the remote interface.		
Remedial action: Reconfigure the Service Access Interfaces for the Group Interface so that they connecting to each other for the peer SRRPs.		

Table 35-696 sapReceivedProtSrcMac

Alarm	Attributes	Applicable major NE releases
Name: sapReceivedProtSrcMac (393) Type: accessInterfaceAlarm (40) Package: l2fwd Raised on class: l2fwd.AccessInterfaceFib	Severity: minor Implicitly cleared: false Default probable cause: ProtectedSourceMacLearned (294)	Unspecified
Description: The alarm is raised when a restricted SAP receives a re-learn request for a protected MAC address.		
Remedial action: Informational - no corrective action required.		

Table 35-697 SapStaticHostDynamicMacConflict

Alarm	Attributes	Applicable major NE releases
Name: SapStaticHostDynamicMacConflict (313) Type: configurationAlarm (11) Package: antispoof Raised on class: antispoof.AntiSpoofingStaticHosts	Severity: minor Implicitly cleared: false Default probable cause: LearnedDynamicMacAlreadyLearned (243)	Unspecified
Description: The alarm is raised when an NE tries to learn a dynamic MAC address from an IP-only static host.		
Remedial action: Informational - The NE has detected an existing FIB entry with the same MAC address, created for another static host. Clearing the FIB entries could fix it.		

Table 35-698 SapTagMismatch

Alarm	Attributes	Applicable major NE releases
Name: SapTagMismatch (418) Type: configurationAlarm (11) Package: srrp Raised on class: srrp.Instance	Severity: major Implicitly cleared: false Default probable cause: remoteSyncTagMismatch (311)	Unspecified
Description: The alarm is raised when the tag of a local SAP does not match the tag of a remote SAP.		
Remedial action: Reconfigure the SAPs for the peer SRRP instances so that their tags match each other.		

Table 35-699 SapVlanSubTypeConflict

Alarm	Attributes	Applicable major NE releases
Name: SapVlanSubTypeConflict (290) Type: configurationAlarm (11) Package: vlan Raised on class: vlan.Site	Severity: warning Implicitly cleared: false Default probable cause: topologyMisconfigured (81)	Unspecified
Description: The alarm is raised when a SAP resynchronization indicates that the VLAN subtype of the SAP is different from the site subtype. The alarm information includes the ID of the associated port.		
Remedial action: Ensure that the VLAN Subtype of the SAP matches the VLAN Subtype of the Site.		

Table 35-700 SasAccountingAlarm

Alarm	Attributes	Applicable major NE releases
Name: SasAccountingAlarm (691) Type: oamAlarm (18) Package: sas Raised on class: sas.TestSuite	Severity: minor Implicitly cleared: true Default probable cause: noAccountingPolicy (506)	Unspecified
Description: The alarm is raised when the 5620 SAM cannot find an SAA Accounting Policy.		
Remedial action: A configuration error has been made which must be corrected. An SAA Accounting policy is required but has not been configured - please perform the required configuration.		

Table 35-701 SasPmBinAlarmLimitReached

Alarm	Attributes	Applicable major NE releases
Name: SasPmBinAlarmLimitReached (5413) Type: configurationAlarm (11) Package: server Raised on class: server.SamServer	Severity: variable Implicitly cleared: false Default probable cause: tooManyAlarmsRaisedByBinStats (2121)	Unspecified
Description: The alarm is raised when PM Bin Statistics has exceeded the limit of alarms for an interval.		
Remedial action: Informational - the maximum number of bin threshold alarms that can be raised in the reset interval has been reached. After the Bin alarm reset interval has passed, alarms can be raised again for the next interval until the number of alarms reaches the limit again.		

Table 35-702 SasPmBinStatThresholdExceeded

Alarm	Attributes	Applicable major NE releases
Name: SasPmBinStatThresholdExceeded (5412) Type: misConfiguration (53) Package: sas Raised on class: sas.TestManager	Severity: variable Implicitly cleared: false Default probable cause: SasPmBinStatThresholdExceeded (2120)	Unspecified
Description: The alarm is raised if sas pm bin stats count exceeds threshold limit. This Alarm has to be cleared Manually.		
Remedial action: The alarm is raised if sas pm bin stats count exceeds Threshold Limit.This Alarm has to be cleared Manually.		

Table 35-703 SasResultCollectionThresholdExceeded

Alarm	Attributes	Applicable major NE releases
Name: SasResultCollectionThresholdExceeded (5158) Type: misConfiguration (53) Package: sas Raised on class: sas.TestManager	Severity: major Implicitly cleared: false Default probable cause: sasResultCollectionThresholdExceeded (2078)	Unspecified
Description: The alarm is raised if test result count exceeds maximum allowed Limit.		
Remedial action: collection Rate Greater Than expected.		

35 – Unspecified NE alarms

Table 35-704 SasThresholdExceededAlarm

Alarm	Attributes	Applicable major NE releases
Name: SasThresholdExceededAlarm (272) Type: oamAlarm (18) Package: sas Raised on class: sas.Test	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
Description: The alarm is raised when a rising or falling threshold is crossed by a jitter, latency, or loss value. The alarm is raised only against a scheduled test. The alarm information includes the threshold type, the threshold setting, and the current rising or falling value.		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 35-705 SasTooManyTestsOnNodeAlarm

Alarm	Attributes	Applicable major NE releases
Name: SasTooManyTestsOnNodeAlarm (287) Type: oamAlarm (18) Package: sas Raised on class: sas.NeAgent	Severity: major Implicitly cleared: true Default probable cause: tooManyTestsDeployedOnNode (220)	Unspecified
Description: The alarm is raised when an NE reaches 60 percent of the allowed number of created or simultaneously executed OAM tests. An attempt to create or execute an NE schedulable test on an NE fails when the number of tests reaches 95 percent of the NE capacity. The alarm information includes the following: - the NE ID - the number of deployed tests on the NE - the allowed number of deployed tests on the NE		
Remedial action: Informational - 5620 SAM is close to or at the maximum number of OAM tests it can support.		

Table 35-706 ScriptAlarm

Alarm	Attributes	Applicable major NE releases
Name: ScriptAlarm (5131) Type: serverAlarm (94) Package: script Raised on class: script.AbstractScript	Severity: variable Implicitly cleared: false Default probable cause: ScriptAlarm (2061)	Unspecified
Description: This alarm was raised from within a SAM user script when certain conditions were met, as implemented by the script author. See the alarm's 'Additional Text' for any informative details the script author may have supplied.		
Remedial action: This is an alarm generated from within a SAM user script, and therefore the remedial action will vary. See the alarm's "Additional Text" for any remedial action the script author may have supplied.		

Table 35-707 scriptBackupLost

Alarm	Attributes	Applicable major NE releases
Name: scriptBackupLost (273) Type: configurationAlarm (11) Package: subscriber Raised on class: subscriber.Policy	Severity: warning Implicitly cleared: true Default probable cause: backupDown (205)	Unspecified
Description: The alarm is raised when the primary subscriber identification script URL is operationally up, but a lower-priority script or URL is operationally down.		
Raising condition: (('isLocal' EQUAL 'true') AND ('Primary Script Operational State' EQUAL 'Up') AND (('Secondary Script Operational State' NOT EQUAL 'Up') OR ('Tertiary Script Operational State' NOT EQUAL 'Up')))		
Clearing condition: (('isLocal' EQUAL 'true') AND (('Primary Script Operational State' NOT EQUAL 'Up') OR (('Secondary Script Operational State' EQUAL 'Up') AND ('Tertiary Script Operational State' EQUAL 'Up'))))		
Remedial action: If the DHCP ACK Python script processing behaviour is desired, please make sure that primary, secondary and tertiary scripts are installed and operationally up.		

Table 35-708 SdpBindingMisconfigured

Alarm	Attributes	Applicable major NE releases
Name: SdpBindingMisconfigured (293) Type: SdpBindingAlarm (30) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: returnSdpBindingTypeMismatch (224)	Unspecified
Description: The alarm is raised when the return SDP binding type does not match the originating SDP binding type, for example, when the return SDP binding is spoke and the originating SDP binding is mesh.		
Remedial action: A configuration error has occurred which must be corrected. The configuration on the endpoints of the SDP does not match causing the SDP to be down. Correct the configuration error and the SDP will come up.		

Table 35-709 sdpBindReceivedProtSrcMac

Alarm	Attributes	Applicable major NE releases
Name: sdpBindReceivedProtSrcMac (3746) Type: SdpBindingAlarm (30) Package: I2fwd Raised on class: I2fwd.AbstractCircuitFib	Severity: minor Implicitly cleared: false Default probable cause: ProtectedSourceMacLearned (294)	Unspecified
Description: The alarm is raised when a restricted SDP receives a re-learn request for a protected MAC address.		
Remedial action: Informational - no corrective action required.		

Table 35-710 SdpMldSnpgGrpDroppedLimitExceeded

Alarm	Attributes	Applicable major NE releases
Name: SdpMldSnpgGrpDroppedLimitExceeded (738) Type: SdpBindingAlarm (30) Package: vpls Raised on class: vpls.SdpBindingMldSnpgCfg	Severity: warning Implicitly cleared: false Default probable cause: igmpSnpgGrpMaxNbrGrpsReached (292)	Unspecified
Description: The alarm is raised when an SDP binding drops an MLD group because the configurable maximum number of MLD groups on the SDP binding is reached.		
Remedial action: Increase the maximum number of MLD groups for the SDP binding.		

Table 35-711 sdpPbbActvPwWithNonActvCtrlPwChg

Alarm	Attributes	Applicable major NE releases
Name: sdpPbbActvPwWithNonActvCtrlPwChg (5416) Type: processingErrorAlarm (81) Package: svt Raised on class: svt.Tunnel	Severity: warning Implicitly cleared: true Default probable cause: sdpPbbActvPwWithNonActvCtrlPwChg (2123)	Unspecified
Description: The alarm is raised when last pseudo-wire (PW) goes standby or down and when first PW becomes active on the Backbone Edge Bridge (BEB) where control PW is standby or down on that SDP.		
Remedial action: sdpPbbActvPwWithNonActvCtrlPwChg event with sdpPbbActvPwWithNonActvCtrlPw set to 'false' indicate clearing of sdpPbbActvPwWithNonActvCtrlPwChg with sdpPbbActvPwWithNonActvCtrlPw set to 'true'.		

Table 35-712 SecondaryBatteryFail (equipment)

Alarm	Attributes	Applicable major NE releases
Name: SecondaryBatteryFail (3624) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: variable Implicitly cleared: true Default probable cause: secondaryBatteryFail (1412)	Unspecified
Description: The alarm is raised when a secondary battery failure is detected.		
Remedial action: The battery on the CPM should be replaced or re-installed.		

Table 35-713 SecondaryBatteryFail (mpr)

Alarm	Attributes	Applicable major NE releases
Name: SecondaryBatteryFail (3624) Type: equipmentAlarm (3) Package: mpr Raised on class: mpr.SubRackElements	Severity: variable Implicitly cleared: true Default probable cause: secondaryBatteryFail (1412)	Unspecified
Description: The alarm is raised when a secondary battery failure is detected.		
Remedial action: The battery on the subrack element(MPT) should be replaced or re-installed.		

Table 35-714 secondExpirationThresholdCrossed

Alarm	Attributes	Applicable major NE releases
Name: secondExpirationThresholdCrossed (2913) Type: configurationAlarm (11) Package: ranlicense Raised on class: ranlicense.RANLicense	Severity: major Implicitly cleared: true Default probable cause: ageingLicense (1113)	Unspecified
Description: The alarm is raised when the specified Second Expiration Threshold for RAN licensing is crossed.		
Remedial action: Ask for a new LKDI license file with a further expiration date.		

Table 35-715 secondUsageThresholdCrossed

Alarm	Attributes	Applicable major NE releases
Name: secondUsageThresholdCrossed (2914) Type: configurationAlarm (11) Package: ranlicense Raised on class: ranlicense.RANLicense	Severity: major Implicitly cleared: true Default probable cause: insufficientPurchasedLicenses (1114)	Unspecified
Description: The alarm is raised when the specified Second Usage Threshold for RAN licensing is crossed.		
Remedial action: Ask for a new LKDI license file with more tokens.		

Table 35-716 SectionTraceMismatch

Alarm	Attributes	Applicable major NE releases
Name: SectionTraceMismatch (2943) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Port	Severity: variable Implicitly cleared: true Default probable cause: sectionTraceMismatch (1133)	Unspecified

(1 of 2)

35 – Unspecified NE alarms

Alarm	Attributes	Applicable major NE releases
Description: The alarm is raised when a trace mismatch is detected on a SONET section.		
Remedial action: Please refer 9500 Node Maintenance manual for remedial action information.		

(2 of 2)

Table 35-717 SerialChannelLoopback

Alarm	Attributes	Applicable major NE releases
Name: SerialChannelLoopback (807) Type: configurationAlarm (11) Package: tdmequipment Raised on class: tdmequipment.SerialChannelSpecifics	Severity: warning Implicitly cleared: false Default probable cause: serialChannelLoopback (573)	Unspecified
Description: The alarm is raised when an NE reports that a serial channel has a loopback alarm condition.		
Remedial action: Informational only.		

Table 35-718 ServerDeclineStaticAddr

Alarm	Attributes	Applicable major NE releases
Name: ServerDeclineStaticAddr (3951) Type: configurationAlarm (11) Package: dhcp Raised on class: dhcp.AbstractDhcpServer	Severity: warning Implicitly cleared: false Default probable cause: DhcpClientHasStaticIpAddress (1530)	Unspecified
Description: The tmnxDhcpSvrDeclineStaticAddr notification is generated when a DHCP decline message is received from a DHCP client that has a static IP address assigned.		
Remedial action: DHCP client has a static IP address. Make sure that the DHCP client has a dynamic IP address		

Table 35-719 ServerLeaseDefaultTimers

Alarm	Attributes	Applicable major NE releases
Name: ServerLeaseDefaultTimers (2937) Type: configurationAlarm (11) Package: dhcp Raised on class: dhcp.AbstractDhcpServer	Severity: warning Implicitly cleared: false Default probable cause: LeaseTimerInconsistent (1129)	Unspecified
Description: The alarm is raised when the system has reverted to default lease timer values for a particular DHCP client because the configuration of the lease timers was inconsistent.		

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Remedial action: This warning is generated when configuration of the lease timers of a particular DHCP client is inconsistent; the system has reverted to default lease timer values. The lease renew time T1 and lease rebind time T2 have been reverted to the default value of 1/2 and 2/3 of the lease time. Please check the lease timers configuration on the local DHCP server to ensure the timers are compatible.		

(2 of 2)

Table 35-720 ServerMaxLeasesReached

Alarm	Attributes	Applicable major NE releases
Name: ServerMaxLeasesReached (3316) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: false Default probable cause: DhcpSvrMaxLeasesReached (1155)	Unspecified
Description: The alarm is raised when the maximum number of leases allocated by local DHCP server is reached.		
Remedial action: Informational - this alarm indicates that the maximum number of leases allocated by a local DHCP server was reached. The address ranges for existing address pools should be extended or a new address pool should be configured for the local DHCP server.		

Table 35-721 ServerMsgTooLong

Alarm	Attributes	Applicable major NE releases
Name: ServerMsgTooLong (2938) Type: configurationAlarm (11) Package: dhcp Raised on class: dhcp.AbstractDhcpServer	Severity: warning Implicitly cleared: false Default probable cause: DhcpSvrMsgTooLong (1130)	Unspecified
Description: The alarm is raised when a DHCP message is generated but the message size exceeds either the maximum DHCP message size, or the size provided by the client in the option maximum DHCP message size.		
Remedial action: Review the access network DHCP configuration to ensure all parties send DHCP packets with appropriate message size.		

Table 35-722 ServerUserDatabaseUnknown

Alarm	Attributes	Applicable major NE releases
Name: ServerUserDatabaseUnknown (3952) Type: configurationAlarm (11) Package: dhcp Raised on class: dhcp.AbstractDhcpServer	Severity: warning Implicitly cleared: false Default probable cause: CannotFindUserDatabase (1531)	Unspecified
Description: The tmnxDhcpSvrUserDbUnknown notification is generated when the local DHCP server instance drops a DHCP message because a local user database with the name specified for this server instance could not be found.		

(1 of 2)

35 – Unspecified NE alarms

Alarm	Attributes	Applicable major NE releases
Remedial action: Please specify a valid local user database for this server instance.		

(2 of 2)

Table 35-723 SGLimitExceeded

Alarm	Attributes	Applicable major NE releases
Name: SGLimitExceeded (456) Type: resourceAlarm (28) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: false Default probable cause: pimSnpgSGGroupMaxSupportedLimitExceeded (350)	Unspecified
Description: The alarm is raised when the number of PIM snooping source group records on a card exceeds the maximum.		
Remedial action: Informational - The alarm is raised when the number of PIM snooping source group records on a card exceeds the maximum. To rectify this issue please increase the max number of groups for the pim snooping associated with the card. The maximum number allowed is 16,000 (S,G) entries.		

Table 35-724 ShamLinkDbDescriptAuthFailure

Alarm	Attributes	Applicable major NE releases
Name: ShamLinkDbDescriptAuthFailure (663) Type: authenticationAlarm (14) Package: ospf Raised on class: ospf.ShamLink	Severity: warning Implicitly cleared: false Default probable cause: authTypeMismatch (45) Applicable probable causes: <ul style="list-style-type: none"> authTypeMismatch authFailure 	Unspecified
Description: The alarm is raised when an NE receives a dbDescript packet on a sham link from an NE whose authentication key or authentication type conflicts with the local NE authentication key or authentication type.		
Remedial action: Informational - The alarm signifies that a dbDescript packet has been received on a sham link from the network whose authentication key or authentication type conflicts with the local NE's configuration.		

Table 35-725 ShamLinkDbDescriptConfig

Alarm	Attributes	Applicable major NE releases
Name: ShamLinkDbDescriptConfig (664) Type: configurationAlarm (11) Package: ospf Raised on class: ospf.ShamLink	Severity: warning Implicitly cleared: false Default probable cause: badVersion (35) Applicable probable causes: <ul style="list-style-type: none"> • badVersion • areaMismatch • unknownNbmaNbr • unknownVirtualNbr • netMaskMismatch • helloIntervalMismatch • deadIntervalMismatch • optionMismatch • mtuMismatch • noError • duplicateRouterId • ifAdminDown • ifPassive 	Unspecified
Description: The alarm is raised when an NE receives a dbDescript packet on a sham link from an NE whose configuration parameters conflict with the local NE configuration parameters.		
Remedial action: Informational - The alarm signifies that a dbDescript packet has been received on a sham link from the network whose configuration parameters conflict with the local NE's configurations.		

Table 35-726 ShamLinkHelloAuthFailure

Alarm	Attributes	Applicable major NE releases
Name: ShamLinkHelloAuthFailure (666) Type: authenticationAlarm (14) Package: ospf Raised on class: ospf.ShamLink	Severity: warning Implicitly cleared: false Default probable cause: authTypeMismatch (45) Applicable probable causes: <ul style="list-style-type: none"> • authTypeMismatch • authFailure 	Unspecified
Description: The alarm is raised when an NE receives a hello packet on a sham link from an NE whose authentication key or authentication type conflicts with the local NE authentication key or authentication type.		
Remedial action: Informational - The alarm signifies that a hello packet has been received on a sham link from the network whose authentication key or authentication type conflicts with the local NE's configuration.		

Table 35-727 ShamLinkHelloConfig

Alarm	Attributes	Applicable major NE releases
Name: ShamLinkHelloConfig (667) Type: configurationAlarm (11) Package: ospf Raised on class: ospf.ShamLink	Severity: warning Implicitly cleared: false Default probable cause: badVersion (35) Applicable probable causes: <ul style="list-style-type: none"> • badVersion • areaMismatch • unknownNbmaNbr • unknownVirtualNbr • netMaskMismatch • helloIntervalMismatch • deadIntervalMismatch • optionMismatch • mtuMismatch • noError • duplicateRouterId • ifAdminDown • ifPassive 	Unspecified
Description: The alarm is raised when an NE receives a hello packet on a sham link from an NE whose configuration parameters conflict with the local NE configuration parameters.		
Remedial action: Informational - The alarm signifies that a hello packet has been received on a sham link from the network whose configuration parameters conflict with the local NE's configurations.		

Table 35-728 ShamLinkLsAckAuthFailure

Alarm	Attributes	Applicable major NE releases
Name: ShamLinkLsAckAuthFailure (668) Type: authenticationAlarm (14) Package: ospf Raised on class: ospf.ShamLink	Severity: warning Implicitly cleared: false Default probable cause: authTypeMismatch (45) Applicable probable causes: <ul style="list-style-type: none"> • authTypeMismatch • authFailure 	Unspecified
Description: The alarm is raised when an NE receives an lsAck packet on a sham link from an NE whose authentication key or authentication type conflicts with the local NE authentication key or authentication type.		
Remedial action: Informational - The alarm signifies that a lsAck packet has been received on a sham link from the network whose authentication key or authentication type conflicts with the local NE's configuration.		

Table 35-729 ShamLinkLsAckConfig

Alarm	Attributes	Applicable major NE releases
Name: ShamLinkLsAckConfig (669) Type: configurationAlarm (11) Package: ospf Raised on class: ospf.ShamLink	Severity: warning Implicitly cleared: false Default probable cause: badVersion (35) Applicable probable causes: <ul style="list-style-type: none"> • badVersion • areaMismatch • unknownNbmaNbr • unknownVirtualNbr • netMaskMismatch • helloIntervalMismatch • deadIntervalMismatch • optionMismatch • mtuMismatch • noError • duplicateRouterId • ifAdminDown • ifPassive 	Unspecified
Description: The alarm is raised when an NE receives an IsAck packet on a sham link from an NE whose configuration parameters conflict with the local NE configuration parameters.		
Remedial action: Informational - The alarm signifies that a IsAck packet has been received on a sham link from the network whose configuration parameters conflict with the local NE's configurations.		

Table 35-730 ShamLinkLsReqAuthFailure

Alarm	Attributes	Applicable major NE releases
Name: ShamLinkLsReqAuthFailure (670) Type: authenticationAlarm (14) Package: ospf Raised on class: ospf.ShamLink	Severity: warning Implicitly cleared: false Default probable cause: authTypeMismatch (45) Applicable probable causes: <ul style="list-style-type: none"> • authTypeMismatch • authFailure 	Unspecified
Description: The alarm is raised when an NE receives an IsReq packet on a sham link from an NE whose authentication key or authentication type conflicts with the local NE authentication key or authentication type.		
Remedial action: Informational - The alarm signifies that a IsReq packet has been received on a sham link from the network whose authentication key or authentication type conflicts with the local NE's configuration.		

Table 35-731 ShamLinkLsReqConfig

Alarm	Attributes	Applicable major NE releases
Name: ShamLinkLsReqConfig (671) Type: configurationAlarm (11) Package: ospf Raised on class: ospf.ShamLink	Severity: warning Implicitly cleared: false Default probable cause: badVersion (35) Applicable probable causes: <ul style="list-style-type: none"> • badVersion • areaMismatch • unknownNbmaNbr • unknownVirtualNbr • netMaskMismatch • helloIntervalMismatch • deadIntervalMismatch • optionMismatch • mtuMismatch • noError • duplicateRouterId • ifAdminDown • ifPassive 	Unspecified
Description: The alarm is raised when an NE receives an IsReq packet on a sham link from an NE whose configuration parameters conflict with the local NE configuration parameters.		
Remedial action: Informational - The alarm signifies that a IsReq packet has been received on a sham link from the network whose configuration parameters conflict with the local NE's configurations.		

Table 35-732 ShamLinkLsUpdateAuthFailure

Alarm	Attributes	Applicable major NE releases
Name: ShamLinkLsUpdateAuthFailure (672) Type: authenticationAlarm (14) Package: ospf Raised on class: ospf.ShamLink	Severity: warning Implicitly cleared: false Default probable cause: authTypeMismatch (45) Applicable probable causes: <ul style="list-style-type: none"> • authTypeMismatch • authFailure 	Unspecified
Description: The alarm is raised when an NE receives an IsUpdate packet on a sham link from an NE whose authentication key or authentication type conflicts with the local NE authentication key or authentication type.		
Remedial action: Informational - The alarm signifies that a IsUpdate packet has been received on a sham link from the network whose authentication key or authentication type conflicts with the local NE's configuration.		

Table 35-733 ShamLinkLsUpdateConfig

Alarm	Attributes	Applicable major NE releases
Name: ShamLinkLsUpdateConfig (673) Type: configurationAlarm (11) Package: ospf Raised on class: ospf.ShamLink	Severity: warning Implicitly cleared: false Default probable cause: badVersion (35) Applicable probable causes: <ul style="list-style-type: none"> • badVersion • areaMismatch • unknownNbmaNbr • unknownVirtualNbr • netMaskMismatch • helloIntervalMismatch • deadIntervalMismatch • optionMismatch • mtuMismatch • noError • duplicateRouterId • ifAdminDown • ifPassive 	Unspecified
Description: The alarm is raised when an NE receives an IsUpdate packet on a sham link from an NE whose configuration parameters conflict with the local NE configuration parameters.		
Remedial action: Informational - The alarm signifies that a IsUpdate packet has been received on a sham link from the network whose configuration parameters conflict with the local NE's configurations.		

Table 35-734 ShamLinkNullPacketAuthFailure

Alarm	Attributes	Applicable major NE releases
Name: ShamLinkNullPacketAuthFailure (674) Type: authenticationAlarm (14) Package: ospf Raised on class: ospf.ShamLink	Severity: warning Implicitly cleared: false Default probable cause: authTypeMismatch (45) Applicable probable causes: <ul style="list-style-type: none"> • authTypeMismatch • authFailure 	Unspecified
Description: The alarm is raised when an NE receives a null packet on a sham link from an NE whose authentication key or authentication type conflicts with the local NE authentication key or authentication type.		
Remedial action: Informational - The alarm signifies that a null packet has been received on a sham link from the network whose authentication key or authentication type conflicts with the local NE's configuration.		

Table 35-735 ShamLinkNullPacketConfig

Alarm	Attributes	Applicable major NE releases
Name: ShamLinkNullPacketConfig (675) Type: configurationAlarm (11) Package: ospf Raised on class: ospf.ShamLink	Severity: warning Implicitly cleared: false Default probable cause: badVersion (35) Applicable probable causes: <ul style="list-style-type: none"> • badVersion • areaMismatch • unknownNbmaNbr • unknownVirtualNbr • netMaskMismatch • helloIntervalMismatch • deadIntervalMismatch • optionMismatch • mtuMismatch • noError • duplicateRouterId • ifAdminDown • ifPassive 	Unspecified
Description: The alarm is raised when an NE receives a null packet on a sham link from an NE whose configuration parameters conflict with the local NE configuration parameters.		
Remedial action: Informational - The alarm signifies that a null packet has been received on a sham link from the network whose configuration parameters conflict with the local NE's configurations.		

Table 35-736 ShamLinkRxBadPacket

Alarm	Attributes	Applicable major NE releases
Name: ShamLinkRxBadPacket (676) Type: communicationsAlarm (4) Package: ospf Raised on class: ospf.ShamLink	Severity: warning Implicitly cleared: false Default probable cause: hello (47) Applicable probable causes: <ul style="list-style-type: none"> • hello • dbDescript • lsReq • lsUpdate • lsAck • nullPacket 	Unspecified
Description: The alarm is raised when an NE cannot parse an OSPF packet that it receives on a sham link.		
Remedial action: Informational - an NE cannot parse an OSPF packet that it receives on a sham link.		

Table 35-737 ShelfCPUAboveThreshold

Alarm	Attributes	Applicable major NE releases
Name: ShelfCPUAboveThreshold (638) Type: configurationAlarm (11) Package: equipment Raised on class: equipment.HealthMonitoring	Severity: major Implicitly cleared: false Default probable cause: ShelfCPUUtilizationCrossedAboveThreshold (474)	Unspecified
Description: The alarm is raised when shelf CPU usage exceeds the threshold value.		
Remedial action: Informational - Please contact Alcatel-Lucent support for assistance.		

Table 35-738 ShelfMemoryAboveThreshold

Alarm	Attributes	Applicable major NE releases
Name: ShelfMemoryAboveThreshold (639) Type: configurationAlarm (11) Package: equipment Raised on class: equipment.HealthMonitoring	Severity: major Implicitly cleared: false Default probable cause: ShelfMemoryUtilizationCrossedAboveThreshold (475)	Unspecified
Description: The alarm is raised when shelf memory usage exceeds the threshold value.		
Remedial action: Informational - Please contact Alcatel-Lucent support for assistance.		

Table 35-739 ShelfRxAboveThreshold

Alarm	Attributes	Applicable major NE releases
Name: ShelfRxAboveThreshold (640) Type: configurationAlarm (11) Package: equipment Raised on class: equipment.HealthMonitoring	Severity: major Implicitly cleared: false Default probable cause: ShelfRxUtilizationCrossedAboveThreshold (476)	Unspecified
Description: The alarm is raised when shelf Rx exceeds the threshold value.		
Remedial action: Informational - Please contact Alcatel-Lucent support for assistance.		

Table 35-740 ShelfRxTxAboveThreshold

Alarm	Attributes	Applicable major NE releases
Name: ShelfRxTxAboveThreshold (641) Type: configurationAlarm (11) Package: equipment Raised on class: equipment.HealthMonitoring	Severity: major Implicitly cleared: false Default probable cause: ShelfRxTxUtilizationCrossedAboveThreshold (477)	Unspecified
Description: The alarm is raised when shelf Tx exceeds the threshold value.		
Remedial action: Informational - Please contact Alcatel-Lucent support for assistance.		

Table 35-741 ShelfTemperatureAboveThreshold

Alarm	Attributes	Applicable major NE releases
Name: ShelfTemperatureAboveThreshold (642) Type: configurationAlarm (11) Package: equipment Raised on class: equipment.HealthMonitoring	Severity: major Implicitly cleared: false Default probable cause: ShelfTemperatureUtilizationCrossedAboveThreshold (478)	Unspecified
Description: The alarm is raised when shelf temperature exceeds the threshold value.		
Remedial action: The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 35-742 SignalLabelMismatch

Alarm	Attributes	Applicable major NE releases
Name: SignalLabelMismatch (3625) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Port	Severity: variable Implicitly cleared: true Default probable cause: signalLabelMismatch (619)	Unspecified
Description: The alarm is raised when a signal label mismatch is detected.		
Remedial action: Please refer 9500 Node Maintenance manual for remedial action information.		

Table 35-743 SiteBgpAdVplsIdMisconfiguration

Alarm	Attributes	Applicable major NE releases
Name: SiteBgpAdVplsIdMisconfiguration (739) Type: configurationAlarm (11) Package: vpls Raised on class: vpls.BgpAdSite	Severity: major Implicitly cleared: true Default probable cause: bgpAdVplsIdInconsistent (439)	Unspecified
Description: The alarm is raised when the configured VPLS ID on a BGP AD object differs from the VPLS ID configured for the VPLS site.		
Remedial action: The VPLS ID on a BGP AD object must match the VPLS ID configured for the VPLS site.		

Table 35-744 SiteSyncDeploymentFailure

Alarm	Attributes	Applicable major NE releases
Name: SiteSyncDeploymentFailure (589) Type: equipmentAlarm (3) Package: sonet Raised on class: sonet.SiteSync	Severity: major Implicitly cleared: false Default probable cause: siteSyncFailure (441)	Unspecified
Description: The alarm is raised when the 5620 SAM tries to deploy a value for an object when a transaction that involves the object is in progress from a different context.		
Remedial action: Another transaction is updating the object, Please try after some time.		

Table 35-745 SoftwareBootFailure

Alarm	Attributes	Applicable major NE releases
Name: SoftwareBootFailure (107) Type: softwareAlarm (19) Package: sw Raised on class: sw.CardSoftware	Severity: major Implicitly cleared: true Default probable cause: softwareBootProblem (91)	Unspecified
Description: The alarm is raised when an NE fails to boot because of a software problem.		
Remedial action: Please contact Alcatel-Lucent support for assistance.		

Table 35-746 SoftwareDownloading

Alarm	Attributes	Applicable major NE releases
Name: SoftwareDownloading (109) Type: softwareAlarm (19) Package: sw Raised on class: sw.CardSoftware	Severity: warning Implicitly cleared: true Default probable cause: softwareDownloading (93)	Unspecified
Description: The alarm is raised when an NE begins to download software to a IOM or CPM card.		
Remedial action: Informational		

Table 35-747 SoftwareFailureAlarm

Alarm	Attributes	Applicable major NE releases
Name: SoftwareFailureAlarm (149) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.ReplaceableUnit	Severity: critical Implicitly cleared: true Default probable cause: loadFailed (124)	Unspecified
Description: The alarm is raised when the CPM fails to load the software from the specified location. The alarm information includes the software location.		
Remedial action: The CPM card did not find the SW in the expected location. Reinstall the SW using 5620 SAM.		

Table 35-748 SoftwareInitialized

Alarm	Attributes	Applicable major NE releases
Name: SoftwareInitialized (111) Type: softwareAlarm (19) Package: sw Raised on class: sw.CardSoftware	Severity: warning Implicitly cleared: true Default probable cause: softwareInitialized (95)	Unspecified
Description: The alarm is raised when software initialization on an IOM or CPM card completes.		
Remedial action: Informational		

Table 35-749 SoftwareInitializing

Alarm	Attributes	Applicable major NE releases
Name: SoftwareInitializing (110) Type: softwareAlarm (19) Package: sw Raised on class: sw.CardSoftware	Severity: warning Implicitly cleared: true Default probable cause: softwareInitializing (94)	Unspecified
Description: The alarm is raised when software initialization on an IOM or CPM card begins.		
Remedial action: Informational		

Table 35-750 SoftwareUpgradeDownloadFailed

Alarm	Attributes	Applicable major NE releases
Name: SoftwareUpgradeDownloadFailed (3695) Type: communicationsAlarm (4) Package: lte Raised on class: lte.ENBEquipment	Severity: warning Implicitly cleared: true Default probable cause: linkFailure (740)	Unspecified
Description: This alarm is raised when the transfer of software scheduled by a Self Config policy fails due to communication problem (communication timeout, cable disconnected). It is automatically cleared before starting a new upgrade scheduled by a Self Config policy.		
Remedial action: Check what happened during the File Transfer. Possible issues: Loss of NE Connectivity, FTP daemon down, FTP credential issues		

Table 35-751 SoftwareUpgradeOperationNotAttempted

Alarm	Attributes	Applicable major NE releases
Name: SoftwareUpgradeOperationNotAttempted (1963) Type: communicationsAlarm (4) Package: lte Raised on class: lte.ENBEquipment	Severity: warning Implicitly cleared: true Default probable cause: bsCommunicationOffline (904)	Unspecified
Description: This alarm is raised when the BS Communication State goes 'offline'. While BS communication state is 'offline' none of the Software Upgrade Operations can be attempted		
Clearing condition: (('bsCommunicationState' EQUAL 'Online') OR ('bsCommunicationState' EQUAL 'OMC Managed'))		
Remedial action: Release NEM sessions		

Table 35-752 SonetSDHLoopback

Alarm	Attributes	Applicable major NE releases
Name: SonetSDHLoopback (407) Type: configurationAlarm (11) Package: sonetequipment Raised on class: sonetequipment.SonetPortSpecifics	Severity: warning Implicitly cleared: true Default probable cause: sonetSDHLoopback (303)	Unspecified
Description: The alarm is raised when a loopback test is provisioned on a SONET/SDH port.		
Remedial action: Remove the loopback test from the SONET/SDH port.		

Table 35-753 SONEventsProcessingDelayed

Alarm	Attributes	Applicable major NE releases
Name: SONEventsProcessingDelayed (3874) Type: integrityViolation (85) Package: lte Raised on class: lte.ENBEquipment	Severity: warning Implicitly cleared: true Default probable cause: UnableToAcquireLock (949)	Unspecified
Description: This alarm is raised when a SON events cannot be handled (CM session is running). It is automatically cleared.		
Remedial action: Informational only - self-correcting condition.		

Table 35-754 sourceSapChange

Alarm	Attributes	Applicable major NE releases
Name: sourceSapChange (4813) Type: ConfigurationAlarm (15) Package: mirror Raised on class: mirror.SourceInterface	Severity: warning Implicitly cleared: false Default probable cause: tMirrorSourceSapChange (430)	Unspecified
Description: The alarm is raised when a SAP that is associated with this mirror source is modified or deleted.		
Remedial action: Informational - no corrective action required.		

Table 35-755 SpbNbrMultAdjExists

Alarm	Attributes	Applicable major NE releases
Name: SpbNbrMultAdjExists (4394) Type: configurationAlarm (11) Package: spb Raised on class: spb.Site	Severity: major Implicitly cleared: true Default probable cause: multiAdj (1573)	Unspecified

(1 of 2)

Alarm	Attributes	Applicable major NE releases
Description: The alarm is sent when IS-IS SPB instance detects a neighbor to which it already has a direct adjacency on another interface.		
Remedial action: Check number of links to neighbor to make sure there is only one SPB link.		

(2 of 2)

Table 35-756 SpbRejectedAdjacency

Alarm	Attributes	Applicable major NE releases
Name: SpbRejectedAdjacency (4395) Type: adjacencyAlarm (31) Package: spb Raised on class: spb.AbstractInterface	Severity: minor Implicitly cleared: true Default probable cause: interfaceMismatch (170)	Unspecified
Description: The alarm is raised when the 5620 SAM receives a vRtrIsisRejectedAdjacency trap, which indicates that an adjacency cannot be established in response to a Hello PDU from an IS because of a lack of resources.		
Remedial action: Informational, might have exceeded the maximum number of adjacencies allowed.		

Table 35-757 SSHLoginMaxAttempts

Alarm	Attributes	Applicable major NE releases
Name: SSHLoginMaxAttempts (3702) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: false Default probable cause: sshLoginMaxAttempts (1441)	Unspecified
Description: The alarm is raised when the number of CLI login failures due incorrect user name or password using SSH session exceeds the configured value.		
Remedial action: Informational		

Table 35-758 SSLKeystoreCertificateExpired

Alarm	Attributes	Applicable major NE releases
Name: SSLKeystoreCertificateExpired (5138) Type: serverAlarm (94) Package: server Raised on class: server.SamServer	Severity: critical Implicitly cleared: true Default probable cause: SSLKeystoreCertificateHasExpired (2062)	Unspecified
Description: The alarm is raised when the SSL Keystore certificate for 5620 SAM has expired.		
Remedial action: Please reconfigure 5620 SAM with an unexpired SSL Keystore Certificate. Please refer to the 5620 SAM Installation and Upgrade guide.		

Table 35-759 SSLKeystoreCertificateExpiring

Alarm	Attributes	Applicable major NE releases
Name: SSLKeystoreCertificateExpiring (5139) Type: serverAlarm (94) Package: server Raised on class: server.SamServer	Severity: warning Implicitly cleared: true Default probable cause: SSLKeystoreCertificateAboutToExpire (2063)	Unspecified
Description: This alarm is raised when the 5620 SAM SSL Keystore certificate is expiring soon.		
Remedial action: Please reconfigure 5620 SAM with a newer SSL Keystore Certificate. Please refer to the 5620 SAM Installation and Upgrade guide.		

Table 35-760 StandbyVersionMismatch (equipment)

Alarm	Attributes	Applicable major NE releases
Name: StandbyVersionMismatch (1174) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: variable Implicitly cleared: true Default probable cause: standbyVersionMismatch (875)	Unspecified
Description: The alarm is raised when a standby device software version mismatch is detected.		
Remedial action: Please refer 9500 Node Maintenance manual for remedial action information.		

Table 35-761 StandbyVersionMismatch (mpr)

Alarm	Attributes	Applicable major NE releases
Name: StandbyVersionMismatch (1174) Type: equipmentAlarm (3) Package: mpr Raised on class: mpr.SubRackElements	Severity: variable Implicitly cleared: true Default probable cause: standbyVersionMismatch (875)	Unspecified
Description: The alarm is raised when a standby device software version mismatch is detected.		
Remedial action: This alarm is raised when standby Software version on the MPT does not match the software version on the core. Please refer 9500 Node Maintenance manual for remedial action information.		

Table 35-762 StatsPollerProblem

Alarm	Attributes	Applicable major NE releases
Name: StatsPollerProblem (5404) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: resyncFailed (24)	Unspecified
Description: The alarm is raised when the 5620 SAM is unable to poll a network stats object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 35-763 STMSysMultiAuxAvailable

Alarm	Attributes	Applicable major NE releases
Name: STMSysMultiAuxAvailable (527) Type: misConfiguration (53) Package: sas Raised on class: sas.TestManager	Severity: critical Implicitly cleared: false Default probable cause: multiAuxiliaryServersAvailable (399)	Unspecified
Description: The alarm is raised when the 5620 SAM detects multiple available auxiliary servers for test execution.		
Remedial action: Reserved for future use		

Table 35-764 STMSysNotAvailable

Alarm	Attributes	Applicable major NE releases
Name: STMSysNotAvailable (526) Type: communicationsAlarm (4) Package: sas Raised on class: sas.TestManager	Severity: critical Implicitly cleared: false Default probable cause: noAuxiliaryServersAvailable (256)	Unspecified
Description: The alarm is raised when the 5620 SAM detects no available auxiliary servers for test execution.		
Remedial action: Reserved for future use		

Table 35-765 STMTesIdRangeMismatch

Alarm	Attributes	Applicable major NE releases
Name: STMTesIdRangeMismatch (792) Type: oamAlarm (18) Package: sas Raised on class: sas.TestManager	Severity: major Implicitly cleared: true Default probable cause: testIdRangeMismatch (560)	Unspecified
Description: The alarm is raised when the 5620 SAM detects an STM test ID range mismatch between the primary and standby main servers.		
Remedial action: The configuration on the primary and standby servers must be aligned to resolve this problem. Please contact Alcatel-Lucent support for assistance.		

Table 35-766 STMTestsOutsideRange

Alarm	Attributes	Applicable major NE releases
Name: STMTestsOutsideRange (793) Type: oamAlarm (18) Package: sas Raised on class: sas.TestManager	Severity: major Implicitly cleared: false Default probable cause: testsOutsideRange (561)	Unspecified
Description: The alarm is raised when the 5620 SAM detects one or more STM Tests that have IDs outside the specified range.		
Remedial action: A configuration error has been made which must be corrected. The testId in a STM test definition must be within the testId range specified within the nms-server.xml file		

Table 35-767 subHostInconsistentAtmTdOvr

Alarm	Attributes	Applicable major NE releases
Name: subHostInconsistentAtmTdOvr (3685) Type: configurationAlarm (11) Package: ressubscr Raised on class: ressubscr.ResidentialSubscriberInstance	Severity: minor Implicitly cleared: false Default probable cause: tmnxSubHostInconsistentAtmTdOvr (1424)	Unspecified
Description: The alarm is raised when an AAA server (e.g. a RADIUS server) specifies an ATM Traffic Descriptor override for a subscriber host while it has already specified another one for another host on the same ATM Virtual Circuit.		
Remedial action: Modify the AAA configuration so that all subscriber hosts sharing the same ATM Virtual circuit use the same ATM Traffic Descriptor Override VSA. If different overrides are required, then the subscribers must be in different ATM Virtual Circuits.		

Table 35-768 SubnetBindingFailed

Alarm	Attributes	Applicable major NE releases
Name: SubnetBindingFailed (4988) Type: processingErrorAlarm (81) Package: dhcp Raised on class: dhcp.AddressPool	Severity: major Implicitly cleared: false Default probable cause: tmnxDhcpSvrSubnetBindingFailed (2043)	Unspecified
Description: This alarm is raised when a DHCP server instance cannot offer an IP address to a host, because a subnet binding with its access node (service) is required but not available anymore in the pool.		
Remedial action: The configuration of the Local DHCP Server IP Address Pool and/or the access node (service) must be changed in order to make more subnets available.		

Table 35-769 SubnetFailCtrlError

Alarm	Attributes	Applicable major NE releases
Name: SubnetFailCtrlError (5156) Type: configurationAlarm (11) Package: dhcp Raised on class: dhcp.Subnet	Severity: major Implicitly cleared: false Default probable cause: leaseWithInconsistentFailoverConfiguration (2075)	Unspecified
Description: The alarm is raised each time a lease is created in a subnet with an inconsistent failover configuration		
Remedial action: A subnet lease has an inconsistent failover configuration, where the failover control type is not identical for all subnet ranges while the pool subnet binding key is not equal to 'none'. Please restore consistency of the failover control configuration for all subnet ranges in this subnet.		

Table 35-770 SubnetMinFreeExc

Alarm	Attributes	Applicable major NE releases
Name: SubnetMinFreeExc (516) Type: configurationAlarm (11) Package: dhcp Raised on class: dhcp.Subnet	Severity: warning Implicitly cleared: false Default probable cause: actualFreeAddrBelowSubnetMin (391)	Unspecified
Description: The alarm is raised when the actual number of free addresses in a subnet falls below the desired minimum number specified in the subnet configuration		
Remedial action: Please ensure that an adequate free address threshold is configured or create a new subnet to meet the system requirements. This warning is raised on IPv4 DHCP servers only.		

Table 35-771 SubnetMismatch

Alarm	Attributes	Applicable major NE releases
Name: SubnetMismatch (415) Type: configurationAlarm (11) Package: srrp Raised on class: srrp.Instance	Severity: major Implicitly cleared: true Default probable cause: ipAddressListMismatch (308)	Unspecified
Description: The alarm is raised when the IP address list received from the master does not match the local IP address list.		
Remedial action: Check the IP address of the Subscriber interface and make sure the address for the peer SRRP instances are in the same subnet.		

Table 35-772 SubRackBatteryFail

Alarm	Attributes	Applicable major NE releases
Name: SubRackBatteryFail (5426) Type: equipmentAlarm (3) Package: mpr Raised on class: mpr.SubRack	Severity: variable Implicitly cleared: true Default probable cause: batteryFail (457)	Unspecified
Description: The alarm is raised when the battery fails or is missing on SubRack.		
Remedial action: The battery on the subrack should be replaced or re-installed.		

Table 35-773 SubRackSecondaryBatteryFail

Alarm	Attributes	Applicable major NE releases
Name: SubRackSecondaryBatteryFail (5427) Type: equipmentAlarm (3) Package: mpr Raised on class: mpr.SubRack	Severity: variable Implicitly cleared: true Default probable cause: secondaryBatteryFail (1412)	Unspecified
Description: The alarm is raised when a secondary battery failure is detected on SubRack.		
Remedial action: The battery on the subrack should be replaced or re-installed.		

Table 35-774 SubscrAuthPolicyMisconfigured (rtr)

Alarm	Attributes	Applicable major NE releases
Name: SubscrAuthPolicyMisconfigured (271) Type: ConfigurationAlarm (15) Package: rtr Raised on class: rtr.VirtualInterfaceConfiguration	Severity: warning Implicitly cleared: true Default probable cause: SubscrAuthPolicyNotFound (203)	Unspecified
Description: The alarm is raised when a subscriber authentication policy for DHCP relay is misconfigured.		
Remedial action: This alarm is raised on L2 and L3 access interfaces when the authentication policy specified for DHCP Relay does not exist. Please make sure to select an authentication policy that exists or to configure a new authentication policy with that name.		

Table 35-775 SubscrAuthPolicyMisconfigured (vpls)

Alarm	Attributes	Applicable major NE releases
Name: SubscrAuthPolicyMisconfigured (271) Type: ConfigurationAlarm (15) Package: vpls Raised on class: vpls.L2AccessItfDhcpRelayCfg	Severity: warning Implicitly cleared: true Default probable cause: SubscrAuthPolicyNotFound (203)	Unspecified
Description: The alarm is raised when a subscriber authentication policy for DHCP relay is misconfigured.		
Remedial action: Check the local and global configuration for the subscriber authentication policy for DHCP relay.		

Table 35-776 SubSlaacOverride

Alarm	Attributes	Applicable major NE releases
Name: SubSlaacOverride (5414) Type: processingErrorAlarm (81) Package: service Raised on class: service.ServiceAccessPoint	Severity: major Implicitly cleared: true Default probable cause: subSlaacAddressOverlap (2122)	Unspecified
Description: The alarm is raised when an NE notifies the 5620 SAM that an IPv6 client requests a DHCPv6 non-temporary address (IA_NA) which overrides an existing SLAAC prefix that is assigned to a host. This configuration causes the SLAAC host to be removed from the system.		
Remedial action: Provide a non-overlapping IPv6 Address for the SLAAC host.		

Table 35-777 SubSlaacSetupFailure

Alarm	Attributes	Applicable major NE releases
Name: SubSlaacSetupFailure (3906) Type: processingErrorAlarm (81) Package: service Raised on class: service.ServiceAccessPoint	Severity: major Implicitly cleared: false Default probable cause: SubSlaacSetupFailure (1494)	Unspecified
Description: The alarm is raised when an NE notifies the 5620 SAM that it cannot create or update a SLAAC host in the tmnxSubSlaacTable.		
Remedial action: The alarm is raised when an NE notifies SAM that it cannot create or update a SLAAC host in the tmnxSubSlaacTable. Verify the service configuration.		

Table 35-778 SubVirtualSubnetHostsDeleted

Alarm	Attributes	Applicable major NE releases
Name: SubVirtualSubnetHostsDeleted (5411) Type: configurationAlarm (11) Package: ressubscr Raised on class: ressubscr.ResidentialSubscriberInstance	Severity: warning Implicitly cleared: false Default probable cause: subVirtualSubnetHostsDeleted (2119)	Unspecified
Description: This alarm is raised when the NE deletes all existing hosts for a subscriber associated with a virtual subnet because a new default router and/or subnet were assigned. This is the consequence of a configuration change on the server that assigns the subnet.		
Remedial action: The hosts must transmit DHCP requests if they require a connection.		

Table 35-779 svcArpHostPopulateErr

Alarm	Attributes	Applicable major NE releases
Name: svcArpHostPopulateErr (3909) Type: processingErrorAlarm (81) Package: service Raised on class: service.AccessInterface	Severity: major Implicitly cleared: false Default probable cause: svcArpHostPopulateError (1496)	Unspecified
Description: The alarm is raised when an NE notifies the 5620 SAM that it cannot update the ARP Host table upon reception of an ARP message.		
Remedial action: The alarm is raised when an NE notifies the 5620 SAM that it cannot update the ARP Host table upon reception of an ARP message. Verify the service configuration. Additionally, verify the length of the auto-generated subscriber identification.		

Table 35-780 svcFdbMimDestTableFull

Alarm	Attributes	Applicable major NE releases
Name: svcFdbMimDestTableFull (588) Type: resourceAlarm (28) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: resourceLimitReached (131)	Unspecified
Description: The alarm is raised when the number of backbone MAC address indices on an NE reaches the maximum allowed value. The alarm clears when the number of backbone MAC address indices on the NE falls below 95 percent of the maximum allowed value.		
Remedial action: Informational		

Table 35-781 SWIncompatibility

Alarm	Attributes	Applicable major NE releases
Name: SWIncompatibility (471) Type: configurationAlarm (11) Package: equipment Raised on class: equipment.StackConfiguration	Severity: major Implicitly cleared: false Default probable cause: elementNotCompatibleWithExistingStack (357)	Unspecified
Description: The alarm is raised when a slot is not compatible with the current stack. The slot subsequently enters pass-through mode.		
Remedial action: Login to switch console, and install same software load on primary and secondary slot and synchronize them and reload switch.		

Table 35-782 SynchronizationLossOfSignal

Alarm	Attributes	Applicable major NE releases
Name: SynchronizationLossOfSignal (799) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: lossOfSignal (99)	Unspecified
Description: The alarm is raised when an SLOS signal is detected on a PDH tributary.		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

35 – Unspecified NE alarms

Table 35-783 SyncCertFailed

Alarm	Attributes	Applicable major NE releases
Name: SyncCertFailed (3912) Type: equipmentAlarm (3) Package: sitesec Raised on class: sitesec.SiteSystemSecurityPublicKey	Severity: major Implicitly cleared: true Default probable cause: SyncCertFailed (1498)	Unspecified
Description: The alarm is raised when the synchronization of certificate files between the primary and secondary CPMs is stopped due to errors.		
Remedial action: The synchronization of certificate files between the primary and secondary CPMs is stopped due to errors. Depending on the reason specified, corrective action should be taken		

Table 35-784 synchroFailureAlarm

Alarm	Attributes	Applicable major NE releases
Name: synchroFailureAlarm (534) Type: softwareAlarm (19) Package: sw Raised on class: sw.SoftwareControlModule	Severity: major Implicitly cleared: false Default probable cause: synchroFailureAlarm (403)	Unspecified
Description: The alarm is raised when the flash card synchronization on an NE fails.		
Remedial action: The SW image on the NE may have been inadvertently corrupted. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

Table 35-785 SynchronizationSignalFailure

Alarm	Attributes	Applicable major NE releases
Name: SynchronizationSignalFailure (2944) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Equipment	Severity: variable Implicitly cleared: true Default probable cause: synchronizationSignalFailure (1134)	Unspecified
Description: The alarm is raised when a synchronization signal failure is detected.		
Remedial action: Please refer 9500 Node Maintenance manual for remedial action information.		

Table 35-786 SystemModeChange

Alarm	Attributes	Applicable major NE releases
Name: SystemModeChange (1923) Type: equipmentAlarm (3) Package: optical Raised on class: optical.OpticalNeProperties	Severity: major Implicitly cleared: false Default probable cause: systemModeChange (923)	Unspecified
Description: The alarm is raised when an NE undergoes a system mode change, for example, from SONET to SDH mode. The alarm information includes the Site ID, old system mode value and new system mode value.		
Remedial action: Informational. The alarm is raised when an NE undergoes a system mode change, for ex. from SONET to SDH mode.		

Table 35-787 TChipMemoryError

Alarm	Attributes	Applicable major NE releases
Name: TChipMemoryError (5183) Type: hardwareAnomaly (55) Package: equipment Raised on class: equipment.BaseCard	Severity: minor Implicitly cleared: true Default probable cause: tchipMemoryParityError (2099)	Unspecified
Description: This Alarm is raised when a T-chip experiences an occurrence of an internal memory parity error.		
Remedial action: A fault has been detected in the hardware. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 35-788 TemporaryCommunicationFailure

Alarm	Attributes	Applicable major NE releases
Name: TemporaryCommunicationFailure (800) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: variable Implicitly cleared: true Default probable cause: temporaryCommunicationProblem (566)	Unspecified
Description: The alarm is raised when a temporary communication failure is detected.		
Remedial action: 5620 SAM has temporarily lost contact with an NE. This may have been caused by the NE restarting, the NE being taken off-line via operator intervention or by a loss of connectivity to the NE. If the NE restarted then there will be an alarm indicating th		

Table 35-789 TestFailedAlarm (atm)

Alarm	Attributes	Applicable major NE releases
Name: TestFailedAlarm (3708) Type: oamAlarm (18) Package: atm Raised on class: atm.PvcConnection	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
Description: The alarm is raised when an OAM test on the object fails.		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is un-reliable.		

Table 35-790 TestFailedAlarm (bgp)

Alarm	Attributes	Applicable major NE releases
Name: TestFailedAlarm (3708) Type: oamAlarm (18) Package: bgp Raised on class: bgp.Site	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
Description: The alarm is raised when an OAM test on the object fails.		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is un-reliable.		

Table 35-791 TestFailedAlarm (ethernetoam)

Alarm	Attributes	Applicable major NE releases
Name: TestFailedAlarm (3708) Type: oamAlarm (18) Package: ethernetoam Raised on class: ethernetoam.MaintAssociation	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
Description: The alarm is raised when an OAM test on the object fails.		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is un-reliable.		

Table 35-792 TestFailedAlarm (ldp)

Alarm	Attributes	Applicable major NE releases
Name: TestFailedAlarm (3708) Type: oamAlarm (18) Package: ldp Raised on class: ldp.Site	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
Description: The alarm is raised when an OAM test on the object fails.		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is un-reliable.		

Table 35-793 TestFailedAlarm (lte)

Alarm	Attributes	Applicable major NE releases
Name: TestFailedAlarm (3708) Type: oamAlarm (18) Package: lte Raised on class: lte.EPSPPath	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
Description: The alarm is raised when TestFailedAlarm is raised for any test on this object.		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is un-reliable.		

Table 35-794 TestFailedAlarm (lteservice)

Alarm	Attributes	Applicable major NE releases
Name: TestFailedAlarm (3708) Type: oamAlarm (18) Package: lteservice Raised on class: lteservice.MobileService	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
Description: The alarm is raised when an OAM test on the object fails.		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 35-795 TestFailedAlarm (mirror)

Alarm	Attributes	Applicable major NE releases
Name: TestFailedAlarm (3708) Type: oamAlarm (18) Package: mirror Raised on class: mirror.Mirror	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
Description: The alarm is raised when an OAM test on the object fails.		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 35-796 TestFailedAlarm (monpath)

Alarm	Attributes	Applicable major NE releases
Name: TestFailedAlarm (3708) Type: oamAlarm (18) Package: monpath Raised on class: monpath.MonitoredIpPath	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
Description: The alarm is raised when an OAM test on the object fails.		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 35-797 TestFailedAlarm (mpls)

Alarm	Attributes	Applicable major NE releases
Name: TestFailedAlarm (3708) Type: oamAlarm (18) Package: mpls Raised on class: mpls.Lsp	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
Description: The alarm is raised when an OAM test on the object fails.		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 35-798 TestFailedAlarm (mplstp)

Alarm	Attributes	Applicable major NE releases
Name: TestFailedAlarm (3708) Type: oamAlarm (18) Package: mplstp Raised on class: mplstp.TPLsp	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
Description: The alarm is raised when an OAM test on the object fails.		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 35-799 TestFailedAlarm (netw)

Alarm	Attributes	Applicable major NE releases
Name: TestFailedAlarm (3708) Type: oamAlarm (18) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
Description: The alarm is raised when TestFailedAlarm is raised for any test on this object.		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 35-800 TestFailedAlarm (pim)

Alarm	Attributes	Applicable major NE releases
Name: TestFailedAlarm (3708) Type: oamAlarm (18) Package: pim Raised on class: pim.Site	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
Description: The alarm is raised when an OAM test on the object fails.		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is un-reliable.		

Table 35-801 TestFailedAlarm (rtr)

Alarm	Attributes	Applicable major NE releases
Name: TestFailedAlarm (3708) Type: oamAlarm (18) Package: rtr Raised on class: rtr.VirtualRouter	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
Description: The alarm is raised when an OAM test on the object fails.		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 35-802 TestFailedAlarm (service)

Alarm	Attributes	Applicable major NE releases
Name: TestFailedAlarm (3708) Type: oamAlarm (18) Package: service Raised on class: service.SpokeConnector	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
Description: The alarm is raised when TestFailedAlarm is raised for any test on this object.		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 35-803 TestFailedAlarm (svt)

Alarm	Attributes	Applicable major NE releases
Name: TestFailedAlarm (3708) Type: oamAlarm (18) Package: svt Raised on class: svt.Tunnel	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
Description: The alarm is raised when an OAM test on the object fails.		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 35-804 TestFailedAlarm (vll)

Alarm	Attributes	Applicable major NE releases
Name: TestFailedAlarm (3708) Type: oamAlarm (18) Package: vll Raised on class: vll.Vll	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
Description: The alarm is raised when an OAM test on the object fails.		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 35-805 TestFailedAlarm (vppls)

Alarm	Attributes	Applicable major NE releases
Name: TestFailedAlarm (3708) Type: oamAlarm (18) Package: vppls Raised on class: vppls.AbstractVppls	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
Description: The alarm is raised when an OAM test on the object fails.		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 35-806 TestFailedAlarm (vprn)

Alarm	Attributes	Applicable major NE releases
Name: TestFailedAlarm (3708) Type: oamAlarm (18) Package: vprn Raised on class: vprn.Vprn	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
Description: The alarm is raised when an OAM test on the object fails.		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 35-807 TestFailedAlarm2 (ethernetoam)

Alarm	Attributes	Applicable major NE releases
Name: TestFailedAlarm2 (3739) Type: oamAlarm (18) Package: ethernetoam Raised on class: ethernetoam.Mep	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
Description: The alarm is raised when an OAM test on the object fails.		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is un-reliable.		

Table 35-808 TestFailedAlarm2 (lte)

Alarm	Attributes	Applicable major NE releases
Name: TestFailedAlarm2 (3739) Type: oamAlarm (18) Package: lte Raised on class: lte.EPSPeer	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
Description: The alarm is raised when TestFailedAlarm is raised for any test on this object.		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is un-reliable.		

Table 35-809 TestFailedAlarm2 (mpls)

Alarm	Attributes	Applicable major NE releases
Name: TestFailedAlarm2 (3739) Type: oamAlarm (18) Package: mpls Raised on class: mpls.P2MPDynamicLsp	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
Description: The alarm is raised when an OAM test on the object fails.		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 35-810 TestFailedAlarm2 (rtr)

Alarm	Attributes	Applicable major NE releases
Name: TestFailedAlarm2 (3739) Type: oamAlarm (18) Package: rtr Raised on class: rtr.LDPTunnelInterface	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
Description: The alarm is raised when an OAM test on the object fails.		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 35-811 TestFailedAlarm2 (service)

Alarm	Attributes	Applicable major NE releases
Name: TestFailedAlarm2 (3739) Type: oamAlarm (18) Package: service Raised on class: service.Site	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
Description: The alarm is raised when TestFailedAlarm is raised for any test on this object.		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 35-812 TestFailedAlarm2 (svt)

Alarm	Attributes	Applicable major NE releases
Name: TestFailedAlarm2 (3739) Type: oamAlarm (18) Package: svt Raised on class: svt.SdpBinding	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
Description: The alarm is raised when an OAM test on the object fails.		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 35-813 TestFailedAlarm3 (mpls)

Alarm	Attributes	Applicable major NE releases
Name: TestFailedAlarm3 (3886) Type: oamAlarm (18) Package: mpls Raised on class: mpls.LspPath	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
Description: The alarm is raised when an OAM test on the object fails.		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 35-814 TestFailedAlarm3 (service)

Alarm	Attributes	Applicable major NE releases
Name: TestFailedAlarm3 (3886) Type: oamAlarm (18) Package: service Raised on class: service.CompositeService	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
Description: The alarm is raised when an OAM test on the object fails.		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 35-815 TestFailureAlarm

Alarm	Attributes	Applicable major NE releases
Name: TestFailureAlarm (3903) Type: oamAlarm (18) Package: sas Raised on class: sas.Test	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
Description: This alarm is raised when a test failure trap is received from the node.		
Remedial action: Fix network connections issues.		

Table 35-816 TestThresholdExceededAlarm (atm)

Alarm	Attributes	Applicable major NE releases
Name: TestThresholdExceededAlarm (1154) Type: oamAlarm (18) Package: atm Raised on class: atm.PvcConnection	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
Description: The alarm is raised when SasThresholdExceededAlarm is raised for any test on this object.		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is un-reliable.		

Table 35-817 TestThresholdExceededAlarm (bgp)

Alarm	Attributes	Applicable major NE releases
Name: TestThresholdExceededAlarm (1154) Type: oamAlarm (18) Package: bgp Raised on class: bgp.Site	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
Description: The alarm is raised when SasThresholdExceededAlarm is raised for any test on this object.		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is un-reliable.		

Table 35-818 TestThresholdExceededAlarm (ethernetoam)

Alarm	Attributes	Applicable major NE releases
Name: TestThresholdExceededAlarm (1154) Type: oamAlarm (18) Package: ethernetoam Raised on class: ethernetoam.MaintAssociation	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
Description: The alarm is raised when SasThresholdExceededAlarm is raised for any test on this object.		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is un-reliable.		

Table 35-819 TestThresholdExceededAlarm (ldp)

Alarm	Attributes	Applicable major NE releases
Name: TestThresholdExceededAlarm (1154) Type: oamAlarm (18) Package: ldp Raised on class: ldp.Site	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
Description: The alarm is raised when SasThresholdExceededAlarm is raised for any test on this object.		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is un-reliable.		

Table 35-820 TestThresholdExceededAlarm (lte)

Alarm	Attributes	Applicable major NE releases
Name: TestThresholdExceededAlarm (1154) Type: oamAlarm (18) Package: lte Raised on class: lte.EPSPath	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
Description: The alarm is raised when SasThresholdExceededAlarm is raised for any test on this object.		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is un-reliable.		

Table 35-821 TestThresholdExceededAlarm (lteservice)

Alarm	Attributes	Applicable major NE releases
Name: TestThresholdExceededAlarm (1154) Type: oamAlarm (18) Package: lteservice Raised on class: lteservice.MobileService	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
Description: The alarm is raised when SasThresholdExceededAlarm is raised for any test on this object.		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 35-822 TestThresholdExceededAlarm (mirror)

Alarm	Attributes	Applicable major NE releases
Name: TestThresholdExceededAlarm (1154) Type: oamAlarm (18) Package: mirror Raised on class: mirror.Mirror	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
Description: The alarm is raised when SasThresholdExceededAlarm is raised for any test on this object.		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 35-823 TestThresholdExceededAlarm (monpath)

Alarm	Attributes	Applicable major NE releases
Name: TestThresholdExceededAlarm (1154) Type: oamAlarm (18) Package: monpath Raised on class: monpath.MonitoredIpPath	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
Description: The alarm is raised when SasThresholdExceededAlarm is raised for any test on this object.		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 35-824 TestThresholdExceededAlarm (mpls)

Alarm	Attributes	Applicable major NE releases
Name: TestThresholdExceededAlarm (1154) Type: oamAlarm (18) Package: mpls Raised on class: mpls.Lsp	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
Description: The alarm is raised when SasThresholdExceededAlarm is raised for any test on this object.		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 35-825 TestThresholdExceededAlarm (mplstp)

Alarm	Attributes	Applicable major NE releases
Name: TestThresholdExceededAlarm (1154) Type: oamAlarm (18) Package: mplstp Raised on class: mplstp.TPLsp	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
Description: The alarm is raised when SasThresholdExceededAlarm is raised for any test on this object.		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 35-826 TestThresholdExceededAlarm (netw)

Alarm	Attributes	Applicable major NE releases
Name: TestThresholdExceededAlarm (1154) Type: oamAlarm (18) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
Description: The alarm is raised when SasThresholdExceededAlarm is raised for any test on this object.		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 35-827 TestThresholdExceededAlarm (pim)

Alarm	Attributes	Applicable major NE releases
Name: TestThresholdExceededAlarm (1154) Type: oamAlarm (18) Package: pim Raised on class: pim.Site	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
Description: The alarm is raised when SasThresholdExceededAlarm is raised for any test on this object.		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is un-reliable.		

Table 35-828 TestThresholdExceededAlarm (rtr)

Alarm	Attributes	Applicable major NE releases
Name: TestThresholdExceededAlarm (1154) Type: oamAlarm (18) Package: rtr Raised on class: rtr.VirtualRouter	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
Description: The alarm is raised when an OAM test on the object reports that the test threshold has been exceeded.		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 35-829 TestThresholdExceededAlarm (service)

Alarm	Attributes	Applicable major NE releases
Name: TestThresholdExceededAlarm (1154) Type: oamAlarm (18) Package: service Raised on class: service.SpokeConnector	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
Description: The alarm is raised when SasThresholdExceededAlarm is raised for any test on this object.		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 35-830 TestThresholdExceededAlarm (svt)

Alarm	Attributes	Applicable major NE releases
Name: TestThresholdExceededAlarm (1154) Type: oamAlarm (18) Package: svt Raised on class: svt.Tunnel	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
Description: The alarm is raised when SasThresholdExceededAlarm is raised for any test on this object.		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 35-831 TestThresholdExceededAlarm (vlan)

Alarm	Attributes	Applicable major NE releases
Name: TestThresholdExceededAlarm (1154) Type: oamAlarm (18) Package: vlan Raised on class: vlan.Vlan	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
Description: The alarm is raised when SasThresholdExceededAlarm is raised for any test on this object.		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 35-832 TestThresholdExceededAlarm (vll)

Alarm	Attributes	Applicable major NE releases
Name: TestThresholdExceededAlarm (1154) Type: oamAlarm (18) Package: vll Raised on class: vll.Vll	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
Description: The alarm is raised when SasThresholdExceededAlarm is raised for any test on this object.		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 35-833 TestThresholdExceededAlarm (vpls)

Alarm	Attributes	Applicable major NE releases
Name: TestThresholdExceededAlarm (1154) Type: oamAlarm (18) Package: vpls Raised on class: vpls.AbstractVpls	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
Description: The alarm is raised when SasThresholdExceededAlarm is raised for any test on this object.		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 35-834 TestThresholdExceededAlarm (vprn)

Alarm	Attributes	Applicable major NE releases
Name: TestThresholdExceededAlarm (1154) Type: oamAlarm (18) Package: vprn Raised on class: vprn.Vprn	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
Description: The alarm is raised when SasThresholdExceededAlarm is raised for any test on this object.		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 35-835 TestThresholdExceededAlarm2 (ethernetoam)

Alarm	Attributes	Applicable major NE releases
Name: TestThresholdExceededAlarm2 (1918) Type: oamAlarm (18) Package: ethernetoam Raised on class: ethernetoam.Mep	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
Description: The alarm is raised when an OAM test on the object reports that the test threshold has been exceeded.		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 35-836 TestThresholdExceededAlarm2 (lte)

Alarm	Attributes	Applicable major NE releases
Name: TestThresholdExceededAlarm2 (1918) Type: oamAlarm (18) Package: lte Raised on class: lte.EPSPeer	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
Description: The alarm is raised when SasThresholdExceededAlarm is raised for any test on this object.		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is un-reliable.		

Table 35-837 TestThresholdExceededAlarm2 (mpls)

Alarm	Attributes	Applicable major NE releases
Name: TestThresholdExceededAlarm2 (1918) Type: oamAlarm (18) Package: mpls Raised on class: mpls.P2MPDynamicLsp	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
Description: The alarm is raised when an OAM test on the object reports that the test threshold has been exceeded.		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 35-838 TestThresholdExceededAlarm2 (rtr)

Alarm	Attributes	Applicable major NE releases
Name: TestThresholdExceededAlarm2 (1918) Type: oamAlarm (18) Package: rtr Raised on class: rtr.LDPTunnelInterface	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
Description: The alarm is raised when SasThresholdExceededAlarm is raised for any test on this object.		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 35-839 TestThresholdExceededAlarm2 (service)

Alarm	Attributes	Applicable major NE releases
Name: TestThresholdExceededAlarm2 (1918) Type: oamAlarm (18) Package: service Raised on class: service.Site	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
Description: The alarm is raised when SasThresholdExceededAlarm is raised for any test on this object.		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 35-840 TestThresholdExceededAlarm2 (svt)

Alarm	Attributes	Applicable major NE releases
Name: TestThresholdExceededAlarm2 (1918) Type: oamAlarm (18) Package: svt Raised on class: svt.SdpBinding	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
Description: The alarm is raised when an OAM test on the object reports that the test threshold has been exceeded.		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 35-841 TestThresholdExceededAlarm3 (mpls)

Alarm	Attributes	Applicable major NE releases
Name: TestThresholdExceededAlarm3 (1919) Type: oamAlarm (18) Package: mpls Raised on class: mpls.LspPath	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
Description: The alarm is raised when an OAM test on the object reports that a test threshold is exceeded.		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 35-842 TestThresholdExceededAlarm3 (service)

Alarm	Attributes	Applicable major NE releases
Name: TestThresholdExceededAlarm3 (1919) Type: oamAlarm (18) Package: service Raised on class: service.CompositeService	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
Description: The alarm is raised when SasThresholdExceededAlarm is raised for any test on this object.		
Remedial action: Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 35-843 ThresholdCrossingAlarmCard

Alarm	Attributes	Applicable major NE releases
Name: ThresholdCrossingAlarmCard (2097) Type: thresholdCrossed (6) Package: equipment Raised on class: equipment.BaseCard	Severity: warning Implicitly cleared: false Default probable cause: thresholdCrossed (12)	Unspecified
Description: The alarm is raised when a card value crosses a TCA threshold.		
Remedial action: A condition set when a counter exceeds a user-selected high or low threshold. A TCA does not generate an alarm but is available on demand through the CIT. Please refer 1830 PSS TroubleShooting guide for more details.		

Table 35-844 ThresholdCrossingAlarmOduk

Alarm	Attributes	Applicable major NE releases
Name: ThresholdCrossingAlarmOduk (4949) Type: thresholdCrossed (6) Package: oth Raised on class: oth.Oduk	Severity: warning Implicitly cleared: false Default probable cause: thresholdCrossed (12)	Unspecified
Description: The alarm is raised when a ODUK value crosses a TCA threshold.		
Remedial action: A condition set when a counter exceeds a user-selected high or low threshold. A TCA does not generate an alarm but is available on demand through the CIT. Please refer 1830 PSS TroubleShooting guide for more details.		

Table 35-845 ThresholdCrossingAlarmOtuk

Alarm	Attributes	Applicable major NE releases
Name: ThresholdCrossingAlarmOtuk (4950) Type: thresholdCrossed (6) Package: oth Raised on class: oth.Otuk	Severity: warning Implicitly cleared: false Default probable cause: thresholdCrossed (12)	Unspecified
Description: The alarm is raised when a OTUK value crosses a TCA threshold.		
Remedial action: A condition set when a counter exceeds a user-selected high or low threshold. A TCA does not generate an alarm but is available on demand through the CIT. Please refer 1830 PSS TroubleShooting guide for more details.		

Table 35-846 ThresholdCrossingAlarmPort

Alarm	Attributes	Applicable major NE releases
Name: ThresholdCrossingAlarmPort (2098) Type: thresholdCrossed (6) Package: equipment Raised on class: equipment.PhysicalPort	Severity: warning Implicitly cleared: false Default probable cause: thresholdCrossed (12)	Unspecified
Description: The alarm is raised when a port value crosses a TCA threshold.		
Remedial action: A condition set when a counter exceeds a user-selected high or low threshold. A TCA does not generate an alarm but is available on demand through the CIT. Please refer 1830 PSS TroubleShooting guide for more details.		

Table 35-847 ThresholdCrossingMDAResvCBSAlarm

Alarm	Attributes	Applicable major NE releases
Name: ThresholdCrossingMDAResvCBSAlarm (3626) Type: thresholdCrossed (6) Package: equipment Raised on class: equipment.DaughterCard	Severity: variable Implicitly cleared: true Default probable cause: thresholdCrossed (12)	Unspecified
Description: The alarm is raised when the reserved CBS of an MDA crosses a threshold.		
Remedial action: This alarm is raised when the traffic rates being received on an MDA are exceeding the amount of buffer allocated for the MDA in the committed burst size configuration parameter. In all probability the QoS being delivered by the MDA is degraded. Steps must be taken to shed traffic from the ports/links associated with the MDA.		

Table 35-848 ThresholdCrossingPortResvCBSAlarm

Alarm	Attributes	Applicable major NE releases
Name: ThresholdCrossingPortResvCBSAlarm (3627) Type: thresholdCrossed (6) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: thresholdCrossed (12)	Unspecified
Description: The alarm is raised when the reserved CBS of a port crosses a threshold.		
Remedial action: This alarm is raised when the traffic rates being received on a port are exceeding the amount of buffer allocated for the port in the committed burst size configuration parameter. In all probability the QoS being delivered by the port is degraded. Steps must be taken to shed traffic from the port in question..		

35 – Unspecified NE alarms

Table 35-849 TimingHoldover

Alarm	Attributes	Applicable major NE releases
Name: TimingHoldover (734) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: major Implicitly cleared: true Default probable cause: timingHoldover (511)	Unspecified
Description: The alarm is raised when the timing of an NE is in the Holdover state.		
Raising condition: (('Status' EQUAL 'Master Holdover'))		
Clearing condition: (('Status' NOT EQUAL 'Master Holdover'))		
Remedial action: Informational only.		

Table 35-850 TimingReferenceOneNotQualified

Alarm	Attributes	Applicable major NE releases
Name: TimingReferenceOneNotQualified (545) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: timingReferenceNotQualified (418)	Unspecified
Description: The alarm is raised when Timing Reference One on an NE is not in the Qualified state.		
Raising condition: (('Qualified For Use' EQUAL 'Not Qualified') AND ('Administrative State' NOT EQUAL 'Down'))		
Clearing condition: (('Qualified For Use' NOT EQUAL 'Not Qualified') OR ('Administrative State' EQUAL 'Down'))		
Remedial action: Make sure that Timing Reference One is qualified.		

Table 35-851 TimingReferenceTwoNotQualified

Alarm	Attributes	Applicable major NE releases
Name: TimingReferenceTwoNotQualified (546) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: timingReferenceNotQualified (418)	Unspecified
Description: The alarm is raised when Timing Reference Two on an NE is not in the Qualified state.		
Raising condition: (('Qualified For Use' EQUAL 'Not Qualified') AND ('Administrative State' NOT EQUAL 'Down'))		
Clearing condition: (('Qualified For Use' NOT EQUAL 'Not Qualified') OR ('Administrative State' EQUAL 'Down'))		
Remedial action: Make sure that Timing Reference Two is qualified.		

Table 35-852 TMNLossofSignal

Alarm	Attributes	Applicable major NE releases
Name: TMNLossofSignal (1920) Type: communicationsAlarm (4) Package: mpr Raised on class: mpr.MprTMN	Severity: variable Implicitly cleared: true Default probable cause: tmnLOS (920)	Unspecified
Description: The alarm is raised when a Loss of Signal occurs on the TMN Interface.		
Remedial action: Please refer 9500 Node Maintenance manual for remedial action information.		

Table 35-853 tmnxMcSyncClientAlarm

Alarm	Attributes	Applicable major NE releases
Name: tmnxMcSyncClientAlarm (423) Type: communicationsAlarm (4) Package: multichassis Raised on class: multichassis.PeerSynchronizationProtocol	Severity: warning Implicitly cleared: true Default probable cause: locallyDeletedEntryInMCSyncDatabase (407)	Unspecified
Description: The alarm is raised when a MC synchronization database entry is deleted locally.		
Remedial action: Informational only.		

Table 35-854 TooManyCpaaPerIsisArea

Alarm	Attributes	Applicable major NE releases
Name: TooManyCpaaPerIsisArea (385) Type: configurationAlarm (11) Package: topology Raised on class: topology.Cpaa	Severity: critical Implicitly cleared: true Default probable cause: tooManyCpaaPelsisArea (930)	Unspecified
Description: The alarm is raised when there are too many 7701 CPAA's for an ISIS L1 area.		
Remedial action: Check the configuration of CPAA and make sure there is at most one CPAA configured for an ISIS area within an administrative domain.		

Table 35-855 TopologyIsisSystemError

Alarm	Attributes	Applicable major NE releases
Name: TopologyIsisSystemError (373) Type: topologyAlarm (34) Package: topology Raised on class: topology.AutonomousSystem	Severity: major Implicitly cleared: true Default probable cause: isisSystemNotAdvertisingTeRouterId (272)	Unspecified
Description: The alarm is raised when an IS-IS topology system error is detected.		
Remedial action: Alarm contains the systemId of the router which is not advertising ISIS TE RouterId. User should either configure the ISIS TE routerId on the node or configure a routerId for that system in "ISIS System ID Mapping" menu. Configuring the routerId in systemId mapping will not clear the alarm.		

Table 35-856 TopologyMisconfigured

Alarm	Attributes	Applicable major NE releases
Name: TopologyMisconfigured (95) Type: configurationAlarm (11) Package: service Raised on class: service.Service	Severity: critical Implicitly cleared: true Default probable cause: topologyMisconfigured (81)	Unspecified
Description: This alarm is raised when service sites are not fully connected.		
Raising condition: ('topologyMisconfigured' EQUAL 'true')		
Clearing condition: ('topologyMisconfigured' EQUAL 'false')		
Remedial action: Connect the service sites with SDP Bindings, Vlan Uplinks, or PBB tunnels.		

Table 35-857 TPSAbnormalState

Alarm	Attributes	Applicable major NE releases
Name: TPSAbnormalState (3935) Type: tpsAbnormalConditionAlarm (115) Package: mpr Raised on class: mpr.MPRProtection	Severity: variable Implicitly cleared: true Default probable cause: TPSProblem (1518)	Unspecified
Description: The alarm is raised when abnormal state resulted due to force switch/lockout operation in TPS mode.		
Remedial action: This alarm is raised when forced-switch/lockout command in TPS mode which led to an abnormal condition.		

Table 35-858 TrailPathDown

Alarm	Attributes	Applicable major NE releases
Name: TrailPathDown (5128) Type: communicationsAlarm (4) Package: optical Raised on class: optical.TrailPath	Severity: critical Implicitly cleared: true Default probable cause: OperationalStateDown (1963)	Unspecified
Description: The alarm is raised when the termination point(s) of the trail path are operationally down.		
Remedial action: Informational - If the alarm persists or is occurring frequently then investigation is required by looking at the active alarms on the hops to understand why the underlying transport network is unreliable.		

Table 35-859 TrailSignalFail

Alarm	Attributes	Applicable major NE releases
Name: TrailSignalFail (798) Type: communicationsAlarm (4) Package: bundle Raised on class: bundle.Interface	Severity: major Implicitly cleared: true Default probable cause: trailSignalFailure (565)	Unspecified
Description: The alarm is raised when a a local or remote failure in an IMA group generates a Trail Signal Fail message.		
Remedial action: Please refer 9500 Node Maintenance manual for remedial action information.		

Table 35-860 TransportServiceDown

Alarm	Attributes	Applicable major NE releases
Name: TransportServiceDown (2906) Type: communicationsAlarm (4) Package: optical Raised on class: optical.TransportService	Severity: critical Implicitly cleared: true Default probable cause: OperationalStateDown (1963)	Unspecified
Description: The alarm is raised when: 1. The termination point(s) or VTS XC's of the service path(s) are operationally down. 2. There are missing VTS XCs in any of the service path(s) of this transport service.		
Remedial action: Informational - If the alarm persists or is occurring frequently then investigation is required by looking at the active alarms on the hops to understand why the underlying transport network is unreliable.		

Table 35-861 TransportServicePathDown

Alarm	Attributes	Applicable major NE releases
Name: TransportServicePathDown (4402) Type: communicationsAlarm (4) Package: optical Raised on class: optical.ServicePath	Severity: critical Implicitly cleared: true Default probable cause: OperationalStateDown (1963)	Unspecified
Description: The alarm is raised when the termination point(s) of the service path are operationally down.		
Remedial action: Informational - If the alarm persists or is occurring frequently then investigation is required by looking at the active alarms on the hops to understand why the underlying transport network is unreliable.		

Table 35-862 TunnelOverbooked

Alarm	Attributes	Applicable major NE releases
Name: TunnelOverbooked (590) Type: resourceAlarm (28) Package: svt Raised on class: svt.Tunnel	Severity: warning Implicitly cleared: false Default probable cause: tunnelOverbooked (442)	Unspecified
Description: The alarm is raised when the allocated SDP binding bandwidth specified by sdpBookedBandwidth exceeds the sdpMaxBookableBandwidth value.		
Clearing condition: ('SDP Available Bandwidth' NOT EQUAL '0')		
Remedial action: Please set the maximum bookable bandwidth parameter to a more appropriate value or offload traffic from the SDP in question to another SDP.		

Table 35-863 TunnelSelBlacklistFull

Alarm	Attributes	Applicable major NE releases
Name: TunnelSelBlacklistFull (4626) Type: processingErrorAlarm (81) Package: l2tp Raised on class: l2tp.Site	Severity: major Implicitly cleared: true Default probable cause: tmnxL2tpTunnelSelBlacklistFull (1894)	Unspecified
Description: This alarm is raised when the number of tunnels and peers in the tunnel-selection-blacklist reaches the limit configured on the L2TP Site, and is cleared when the limit is no longer reached.		
Remedial action: Either increase Max List Length in Tunnel Selection Blacklist configuration or fix blacklisted tunnels or peers.		

Table 35-864 TwampSrvInactivityTimeout

Alarm	Attributes	Applicable major NE releases
Name: TwampSrvInactivityTimeout (3319) Type: communicationsAlarm (4) Package: sas Raised on class: sas.TwampSrv	Severity: major Implicitly cleared: true Default probable cause: TWAMPServerInactivityTimeout (1158)	Unspecified
Description: The alarm is raised when a TWAMP control connection is disconnected by the TWAMP server due to the connection being inactive for a period exceeding the server's inactivity timeout, which generates a TWAMP Server InactivityTimeout notification.		
Remedial action: Verify the value of the inactivity-timeout parameter and modify it according to the operational needs.		

Table 35-865 TwampSrvMaxConnsExceeded

Alarm	Attributes	Applicable major NE releases
Name: TwampSrvMaxConnsExceeded (3320) Type: communicationsAlarm (4) Package: sas Raised on class: sas.TwampSrv	Severity: major Implicitly cleared: true Default probable cause: TWAMPServerMaxConnsExceeded (1159)	Unspecified
Description: The alarm is raised when the maximum number of concurrent TWAMP control connections for the server has been reached. [EFFECT] The TWAMP client cannot request test runs on the rejected connection. [RECOVERY] Configure the system-level maximum number of concurrent TWAMP control connections to a larger value, or disconnect any TWAMP control connection.'		
Remedial action: Verify the value of the max-conn-server parameter and modify it according to the operational needs.		

Table 35-866 TwampSrvMaxSessExceeded

Alarm	Attributes	Applicable major NE releases
Name: TwampSrvMaxSessExceeded (3321) Type: communicationsAlarm (4) Package: sas Raised on class: sas.TwampSrv	Severity: major Implicitly cleared: true Default probable cause: TWAMPServerMaxSessExceeded (1160)	Unspecified
Description: The alarm is raised when the maximum number of concurrent TWAMP sessions for the server has been reached. [EFFECT] The TWAMP client cannot request test runs on the rejected session. [RECOVERY] Configure the system-level maximum number of concurrent TWAMP sessions to a larger value, or disconnect any TWAMP session.'		
Remedial action: Verify the max-sess-server parameter and modify it according to the operational needs.		

35 – Unspecified NE alarms

Table 35-867 TwampSrvPfxMaxConnsExceeded

Alarm	Attributes	Applicable major NE releases
Name: TwampSrvPfxMaxConnsExceeded (3322) Type: communicationsAlarm (4) Package: sas Raised on class: sas.TwampSrv	Severity: major Implicitly cleared: true Default probable cause: TWAMPServerPrefixMaxConnsExceeded (1161)	Unspecified
Description: The alarm is raised when the maximum number of concurrent TWAMP control connections for a TWAMP client prefix has been reached. [EFFECT] The TWAMP client cannot request test runs on the rejected connection. [RECOVERY] Configure the prefix's maximum number of concurrent TWAMP control connections to a larger value, or disconnect a TWAMP control connection which uses the prefix.		
Remedial action: Verify the max-conn-prefix parameter and modify it according to the operational needs.		

Table 35-868 TwampSrvPfxMaxSessExceeded

Alarm	Attributes	Applicable major NE releases
Name: TwampSrvPfxMaxSessExceeded (3323) Type: communicationsAlarm (4) Package: sas Raised on class: sas.TwampSrv	Severity: major Implicitly cleared: true Default probable cause: TWAMPServerPrefixMaxSessExceeded (1162)	Unspecified
Description: The alarm is raised when the maximum number of concurrent TWAMP sessions for a TWAMP client prefix has been reached. [EFFECT] The TWAMP client cannot request test runs on the rejected session. [RECOVERY] Configure the prefix's maximum number of concurrent TWAMP sessions to a larger value, or disconnect a TWAMP session which uses the prefix.'		
Remedial action: Verify the max sess-prefix parameter and modify it according to the operational needs.		

Table 35-869 TxFail

Alarm	Attributes	Applicable major NE releases
Name: TxFail (1175) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Equipment	Severity: variable Implicitly cleared: true Default probable cause: txFail (876)	Unspecified
Description: The alarm is raised when a transmission failure is detected.		
Remedial action: Please refer 9500 Node Maintenance manual for remedial action information.		

Table 35-870 TxFailure

Alarm	Attributes	Applicable major NE releases
Name: TxFailure (3931) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: txFail (876)	Unspecified
Description: The alarm is raised when a txFail (a fail of the Tx subfunction) defect raise.		
Remedial action: The alarm is raised when a txFail (a fail of the Tx subfunction) defect raise.		

Table 35-871 TxRetransmit

Alarm	Attributes	Applicable major NE releases
Name: TxRetransmit (266) Type: communicationsAlarm (4) Package: ospf Raised on classes: <ul style="list-style-type: none"> ospf.ShamLink ospf.VirtualLink 	Severity: warning Implicitly cleared: false Default probable cause: hello (47) Applicable probable causes: <ul style="list-style-type: none"> hello dbDescript IsReq IsUpdate IsAck nullIPacket 	Unspecified
Description: The alarm is raised when an NE retransmits an OSPF packet on a non-virtual interface. The alarm information includes the NE ID of the OSPF neighbor.		
Remedial action: Informational - an NE retransmits an OSPF packet on a non-virtual interface. The alarm information includes the NE ID of the OSPF neighbor.		

Table 35-872 TypeMismatch

Alarm	Attributes	Applicable major NE releases
Name: TypeMismatch (96) Type: configurationAlarm (11) Package: service Raised on class: service.Service	Severity: critical Implicitly cleared: true Default probable cause: serviceSiteTypeMisconfigured (82)	Unspecified
Description: The alarm is raised when a VLAN type for a Site doesn't match what has been configured on the Service.		
Raising condition: ('serviceTypeInconsistent' EQUAL 'true')		
Clearing condition: ('serviceTypeInconsistent' EQUAL 'false')		
Remedial action: Configure the VLAN subtype on the site same as the service VLAN subtype.		

Table 35-873 UnableGetArchivedLogDiskInfo

Alarm	Attributes	Applicable major NE releases
Name: UnableGetArchivedLogDiskInfo (4976) Type: databaseAlarm (29) Package: db Raised on class: db.DatabaseManager	Severity: critical Implicitly cleared: true Default probable cause: archivedLogsIssue (154)	Unspecified
Description: The alarm is raised when the 5620 SAM is unable to get the archive log filesystem information.		
Remedial action: Informational - Please check archive logs file system. The 5620 SAM cannot access the file system. If the problem persists then please contact Alcatel-Lucent support for assistance.		

Table 35-874 UnavailableTime

Alarm	Attributes	Applicable major NE releases
Name: UnavailableTime (644) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Port	Severity: variable Implicitly cleared: true Default probable cause: unavailableTime (480)	Unspecified
Description: The alarm is raised when a port experiences 10 consecutive SES.		
Remedial action: One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 35-875 UnconfiguredEquipmentPresent

Alarm	Attributes	Applicable major NE releases
Name: UnconfiguredEquipmentPresent (645) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: variable Implicitly cleared: true Default probable cause: unconfiguredEquipmentPresent (481)	Unspecified
Description: The alarm is raised when unconfigured equipment is detected.		
Remedial action: A configuration error has occurred which must be corrected. The card slot has not been configured		

Table 35-876 UndefinedSchedulerReference

Alarm	Attributes	Applicable major NE releases
Name: UndefinedSchedulerReference (118) Type: configurationAlarm (11) Package: vs Raised on class: vs.ServiceTypeDefinition	Severity: warning Implicitly cleared: true Default probable cause: undefinedSchedulerReference (101)	Unspecified
Description: The alarm is raised when a queue specified in the access ingress or access egress policy of an L2 access interface is not referenced by the scheduler policy for the interface.		
Raising condition: (('numberReferences' > '0') AND ('numberOfDefinitions' EQUAL '0'))		
Clearing condition: (('numberReferences' EQUAL '0') OR ('numberOfDefinitions' > '0'))		
Remedial action: A queue specified in the access ingress/egress policy used by an L2 access interface is not referencing a scheduler policy. Ensure all required queues created in the access ingress/egress policy is referencing a scheduler.		

Table 35-877 UnderlyingResourceDegrade

Alarm	Attributes	Applicable major NE releases
Name: UnderlyingResourceDegrade (1176) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Port	Severity: variable Implicitly cleared: true Default probable cause: underlyingResourceDegrade (877)	Unspecified
Description: The alarm is raised when degradation of an underlying radio interface resource is detected.		
Remedial action: Please refer 9500 Node Maintenance manual for remedial action information.		

Table 35-878 UnderlyingResourceUnavailable

Alarm	Attributes	Applicable major NE releases
Name: UnderlyingResourceUnavailable (1131) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Port	Severity: variable Implicitly cleared: true Default probable cause: underlyingResourceUnavailable (724)	Unspecified
Description: The alarm is raised when an underlying resource is unavailable on an E1, radio, or Ethernet interface.		
Remedial action: Please refer 9500 Node Maintenance manual for remedial action information.		

Table 35-879 UnderlyingResourceUnavailableService

Alarm	Attributes	Applicable major NE releases
Name: UnderlyingResourceUnavailableService (1177) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Port	Severity: variable Implicitly cleared: true Default probable cause: underlyingResourceUnavailableService (878)	Unspecified
Description: The alarm is raised when an underlying E1, radio, or Ethernet interface resource service is unavailable.		
Remedial action: Please refer 9500 Node Maintenance manual for remedial action information.		

Table 35-880 UpgradeApplicationLockNotObtained

Alarm	Attributes	Applicable major NE releases
Name: UpgradeApplicationLockNotObtained (1964) Type: integrityViolation (85) Package: lte Raised on class: lte.ENBEquipment	Severity: warning Implicitly cleared: true Default probable cause: UnableToAcquireLock (949)	Unspecified
Description: This alarm is raised when the Software Upgrade Application is unable to acquire lock to start the operation. Retry the Software Upgrade Operation once the lock is released by the other application.		
Remedial action: Retry the Software Management Operation once the lock is released by the other application.		

Table 35-881 VersionMismatch (equipment)

Alarm	Attributes	Applicable major NE releases
Name: VersionMismatch (646) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: variable Implicitly cleared: true Default probable cause: versionMismatch (405)	Unspecified
Description: The alarm is raised when an ODU software version mismatch is detected.		
Remedial action: Please refer 9500 Node Maintenance manual for remedial action information.		

Table 35-882 VersionMismatch (mpr)

Alarm	Attributes	Applicable major NE releases
Name: VersionMismatch (646) Type: equipmentAlarm (3) Package: mpr Raised on class: mpr.SubRackElements	Severity: variable Implicitly cleared: true Default probable cause: versionMismatch (405)	Unspecified
Description: The alarm is raised when an ODU software version mismatch is detected.		
Remedial action: This alarm is raised when the software version on the MPT doesn't match the software version on the core. Please refer 9500 Node Maintenance manual for remedial action information.		

Table 35-883 VirtualLinkDbDescriptAuthFailure

Alarm	Attributes	Applicable major NE releases
Name: VirtualLinkDbDescriptAuthFailure (61) Type: authenticationAlarm (14) Package: ospf Raised on class: ospf.VirtualLink	Severity: warning Implicitly cleared: false Default probable cause: authTypeMismatch (45) Applicable probable causes: <ul style="list-style-type: none"> authTypeMismatch authFailure 	Unspecified
Description: The alarm is raised when an NE receives a dbDescript packet on a virtual link from an NE whose authentication key or authentication type conflicts with the local NE authentication key or authentication type.		
Remedial action: Informational - The alarm signifies that a dbDescript packet has been received on a virtual link from the network whose authentication key or authentication type conflicts with the local NE's configuration.		

Table 35-884 VirtualLinkDbDescriptConfig

Alarm	Attributes	Applicable major NE releases
Name: VirtualLinkDbDescriptConfig (55) Type: configurationAlarm (11) Package: ospf Raised on class: ospf.VirtualLink	Severity: warning Implicitly cleared: false Default probable cause: badVersion (35) Applicable probable causes: <ul style="list-style-type: none"> • badVersion • areaMismatch • unknownNbmaNbr • unknownVirtualNbr • netMaskMismatch • helloIntervalMismatch • deadIntervalMismatch • optionMismatch • mtuMismatch • noError • duplicateRouterId • ifAdminDown • ifPassive 	Unspecified
Description: The alarm is raised when an NE receives a dbDescript packet on a virtual link from an NE whose configuration parameters conflict with the local NE configuration parameters.		
Remedial action: Informational - The alarm signifies that a dbDescript packet has been received on a virtual link from the network whose configuration parameters conflict with the local NE's configurations.		

Table 35-885 VirtualLinkHelloAuthFailure

Alarm	Attributes	Applicable major NE releases
Name: VirtualLinkHelloAuthFailure (60) Type: authenticationAlarm (14) Package: ospf Raised on class: ospf.VirtualLink	Severity: warning Implicitly cleared: false Default probable cause: authTypeMismatch (45) Applicable probable causes: <ul style="list-style-type: none"> • authTypeMismatch • authFailure 	Unspecified
Description: The alarm is raised when an NE receives a hello packet on a virtual link from an NE whose authentication key or authentication type conflicts with the local NE authentication key or authentication type.		
Remedial action: Informational - The alarm signifies that a hello packet has been received on a virtual link from the network whose authentication key or authentication type conflicts with the local NE's configuration.		

Table 35-886 VirtualLinkHelloConfig

Alarm	Attributes	Applicable major NE releases
Name: VirtualLinkHelloConfig (54) Type: configurationAlarm (11) Package: ospf Raised on class: ospf.VirtualLink	Severity: warning Implicitly cleared: false Default probable cause: badVersion (35) Applicable probable causes: <ul style="list-style-type: none"> • badVersion • areaMismatch • unknownNbmaNbr • unknownVirtualNbr • netMaskMismatch • helloIntervalMismatch • deadIntervalMismatch • optionMismatch • mtuMismatch • noError • duplicateRouterId • ifAdminDown • ifPassive 	Unspecified
Description: The alarm is raised when an NE receives a hello packet on a virtual link from an NE whose configuration parameters conflict with the local NE configuration parameters.		
Remedial action: Informational - The alarm signifies that a hello packet has been received on a virtual link from the network whose configuration parameters conflict with the local NE's configurations.		

Table 35-887 VirtualLinkLsAckAuthFailure

Alarm	Attributes	Applicable major NE releases
Name: VirtualLinkLsAckAuthFailure (64) Type: authenticationAlarm (14) Package: ospf Raised on class: ospf.VirtualLink	Severity: warning Implicitly cleared: false Default probable cause: authTypeMismatch (45) Applicable probable causes: <ul style="list-style-type: none"> • authTypeMismatch • authFailure 	Unspecified
Description: The alarm is raised when an NE receives an lsAck packet on a virtual link from an NE whose authentication key or authentication type conflicts with the local NE authentication key or authentication type.		
Remedial action: Informational - The alarm signifies that a lsAck packet has been received on a virtual link from the network whose authentication key or authentication type conflicts with the local NE's configuration.		

Table 35-888 VirtualLinkLsAckConfig

Alarm	Attributes	Applicable major NE releases
Name: VirtualLinkLsAckConfig (58) Type: configurationAlarm (11) Package: ospf Raised on class: ospf.VirtualLink	Severity: warning Implicitly cleared: false Default probable cause: badVersion (35) Applicable probable causes: <ul style="list-style-type: none"> • badVersion • areaMismatch • unknownNbmaNbr • unknownVirtualNbr • netMaskMismatch • helloIntervalMismatch • deadIntervalMismatch • optionMismatch • mtuMismatch • noError • duplicateRouterId • ifAdminDown • ifPassive 	Unspecified
Description: The alarm is raised when an NE receives an IsAck packet on a virtual link from an NE whose configuration parameters conflict with the local NE configuration parameters.		
Remedial action: Informational - The alarm signifies that a IsAck packet has been received on a virtual link from the network whose configuration parameters conflict with the local NE's configurations.		

Table 35-889 VirtualLinkLsReqAuthFailure

Alarm	Attributes	Applicable major NE releases
Name: VirtualLinkLsReqAuthFailure (62) Type: authenticationAlarm (14) Package: ospf Raised on class: ospf.VirtualLink	Severity: warning Implicitly cleared: false Default probable cause: authTypeMismatch (45) Applicable probable causes: <ul style="list-style-type: none"> • authTypeMismatch • authFailure 	Unspecified
Description: The alarm is raised when an NE receives an IsReq packet on a virtual link from an NE whose authentication key or authentication type conflicts with the local NE authentication key or authentication type.		
Remedial action: Informational - The alarm signifies that a IsReq packet has been received on a virtual link from the network whose authentication key or authentication type conflicts with the local NE's configuration.		

Table 35-890 VirtualLinkLsReqConfig

Alarm	Attributes	Applicable major NE releases
Name: VirtualLinkLsReqConfig (56) Type: configurationAlarm (11) Package: ospf Raised on class: ospf.VirtualLink	Severity: warning Implicitly cleared: false Default probable cause: badVersion (35) Applicable probable causes: <ul style="list-style-type: none"> • badVersion • areaMismatch • unknownNbmaNbr • unknownVirtualNbr • netMaskMismatch • helloIntervalMismatch • deadIntervalMismatch • optionMismatch • mtuMismatch • noError • duplicateRouterId • ifAdminDown • ifPassive 	Unspecified
Description: The alarm is raised when an NE receives an IsReq packet on a virtual link from an NE whose configuration parameters conflict with the local NE configuration parameters.		
Remedial action: Informational - The alarm signifies that a IsReq packet has been received on a virtual link from the network whose configuration parameters conflict with the local NE's configurations.		

Table 35-891 VirtualLinkLsUpdateAuthFailure

Alarm	Attributes	Applicable major NE releases
Name: VirtualLinkLsUpdateAuthFailure (63) Type: authenticationAlarm (14) Package: ospf Raised on class: ospf.VirtualLink	Severity: warning Implicitly cleared: false Default probable cause: authTypeMismatch (45) Applicable probable causes: <ul style="list-style-type: none"> • authTypeMismatch • authFailure 	Unspecified
Description: The alarm is raised when an NE receives an IsReq packet on a virtual link from an NE whose authentication key or authentication type conflicts with the local NE authentication key or authentication type.		
Remedial action: Informational - The alarm signifies that a IsUpdate packet has been received on a virtual link from the network whose authentication key or authentication type conflicts with the local NE's configuration.		

Table 35-892 VirtualLinkLsUpdateConfig

Alarm	Attributes	Applicable major NE releases
Name: VirtualLinkLsUpdateConfig (57) Type: configurationAlarm (11) Package: ospf Raised on class: ospf.VirtualLink	Severity: warning Implicitly cleared: false Default probable cause: badVersion (35) Applicable probable causes: <ul style="list-style-type: none"> • badVersion • areaMismatch • unknownNbmaNbr • unknownVirtualNbr • netMaskMismatch • helloIntervalMismatch • deadIntervalMismatch • optionMismatch • mtuMismatch • noError • duplicateRouterId • ifAdminDown • ifPassive 	Unspecified
Description: The alarm is raised when an NE receives an LsUpdate packet on a virtual link from an NE whose configuration parameters conflict with the local NE configuration parameters.		
Remedial action: Informational - The alarm signifies that a LsUpdate packet has been received on a virtual link from the network whose configuration parameters conflict with the local NE's configurations.		

Table 35-893 VirtualLinkNullPacketAuthFailure

Alarm	Attributes	Applicable major NE releases
Name: VirtualLinkNullPacketAuthFailure (65) Type: authenticationAlarm (14) Package: ospf Raised on class: ospf.VirtualLink	Severity: warning Implicitly cleared: false Default probable cause: authTypeMismatch (45) Applicable probable causes: <ul style="list-style-type: none"> • authTypeMismatch • authFailure 	Unspecified
Description: The alarm is raised when an NE receives a null packet on a virtual link from an NE whose authentication key or authentication type conflicts with the local NE authentication key or authentication type.		
Remedial action: Informational - The alarm signifies that a null packet has been received on a virtual link which authentication key or authentication type conflicts with the local NE's configuration.		

Table 35-894 VirtualLinkNullPacketConfig

Alarm	Attributes	Applicable major NE releases
Name: VirtualLinkNullPacketConfig (59) Type: configurationAlarm (11) Package: ospf Raised on class: ospf.VirtualLink	Severity: warning Implicitly cleared: false Default probable cause: badVersion (35) Applicable probable causes: <ul style="list-style-type: none"> • badVersion • areaMismatch • unknownNbmaNbr • unknownVirtualNbr • netMaskMismatch • helloIntervalMismatch • deadIntervalMismatch • optionMismatch • mtuMismatch • noError • duplicateRouterId • ifAdminDown • ifPassive 	Unspecified
Description: The alarm is raised when an NE receives a null packet on a virtual link from an NE whose configuration parameters conflict with the local NE configuration parameters.		
Remedial action: Informational - The alarm signifies that a null packet has been received on a virtual link which configuration parameters conflict with the local NE's configurations.		

Table 35-895 VirtualLinkRxBadPacket

Alarm	Attributes	Applicable major NE releases
Name: VirtualLinkRxBadPacket (66) Type: communicationsAlarm (4) Package: ospf Raised on class: ospf.VirtualLink	Severity: warning Implicitly cleared: false Default probable cause: hello (47) Applicable probable causes: <ul style="list-style-type: none"> • hello • dbDescript • lsReq • lsUpdate • lsAck • nullPacket 	Unspecified
Description: The alarm is raised when an NE cannot parse an OSPF packet that it receives on a virtual interface.		
Remedial action: Informational - an NE cannot parse an OSPF packet that it receives on a virtual interface.		

35 – Unspecified NE alarms

Table 35-896 VirtualMachineDown

Alarm	Attributes	Applicable major NE releases
Name: VirtualMachineDown (4909) Type: vmAlarm (134) Package: dctr Raised on class: dctr.VirtualMachine	Severity: info Implicitly cleared: true Default probable cause: VirtualMachineShutDownOrDeletedOrCrashed (1966)	Unspecified
Description: The alarm is raised when VM is shutdown.		
Raising condition: (('Virtual Machine State' EQUAL 'No State'))		
Clearing condition: (('Virtual Machine State' NOT EQUAL 'No State'))		
Remedial action: This alarm can be cleared when virtual machine is up.		

Table 35-897 VirtualMachineMigration

Alarm	Attributes	Applicable major NE releases
Name: VirtualMachineMigration (4910) Type: vmAlarm (134) Package: dctr Raised on class: dctr.VirtualMachine	Severity: info Implicitly cleared: true Default probable cause: VirtualMachineMigrationInitiated (1967)	Unspecified
Description: The alarm is raised when migration of VM starts on this object.		
Raising condition: (('Virtual Machine State' EQUAL 'Paused') AND ('Virtual Machine State Reason' EQUAL '\migration\'))		
Clearing condition: (('Virtual Machine State' EQUAL 'Running') AND ('Virtual Machine State Reason' EQUAL '\migrated\'))		
Remedial action: This alarm can be cleared when virtual machine migration is completed.		

Table 35-898 VirtualMachineSuspended

Alarm	Attributes	Applicable major NE releases
Name: VirtualMachineSuspended (4911) Type: vmAlarm (134) Package: dctr Raised on class: dctr.VirtualMachine	Severity: info Implicitly cleared: true Default probable cause: UserInitiatedOrRequiredResourceIdBeingBlocked (1968)	Unspecified
Description: The alarm is raised when VM state changes to Paused on this object.		
Raising condition: (('Virtual Machine State' EQUAL 'Paused') AND ('Virtual Machine State Reason' NOT EQUAL '\migration\'))		
Clearing condition: (('Virtual Machine State' NOT EQUAL 'Paused'))		
Remedial action: This alarm can be cleared when the virtual machine is resumed.		

Table 35-899 VirtualNodeDown

Alarm	Attributes	Applicable major NE releases
Name: VirtualNodeDown (5155) Type: communicationsAlarm (4) Package: dctr Raised on class: dctr.VirtualNode	Severity: major Implicitly cleared: true Default probable cause: ControllerDownOrSwitchDown (2074)	Unspecified
Description: The alarm is raised when either the VSC or the VS is down.		
Raising condition: (('Aggregated Operational State' EQUAL 'Down'))		
Clearing condition: (('Aggregated Operational State' EQUAL 'Up'))		
Remedial action: This alarm can be cleared when both virtual switch controller and virtual switch is operationally up.		

Table 35-900 VirtualRouterDown

Alarm	Attributes	Applicable major NE releases
Name: VirtualRouterDown (277) Type: configurationAlarm (11) Package: vrrp Raised on class: vrrp.VrrpVirtualRouter	Severity: major Implicitly cleared: true Default probable cause: virtualRouterDown (210)	Unspecified
Description: The alarm is raised when the aggregated Operational State of a VR is Down.		
Raising condition: (('Aggregated Operational State' EQUAL 'Down'))		
Clearing condition: (('Aggregated Operational State' NOT EQUAL 'Down'))		
Remedial action: Check the configuration of both VRRP instances for the VRRP virtual router.		

Table 35-901 VirtualSwitchControllerDown

Alarm	Attributes	Applicable major NE releases
Name: VirtualSwitchControllerDown (4912) Type: virtualSwitchControllerAlarm (135) Package: dctr Raised on class: dctr.VirtualSwitchController	Severity: major Implicitly cleared: true Default probable cause: ControllerNotOperationallyUp (1969)	Unspecified
Description: The alarm is raised when Virtual Switch Controller is not operationally up.		
Raising condition: (('Operational State' EQUAL 'Down'))		
Clearing condition: (('Operational State' EQUAL 'Up'))		
Remedial action: This alarm can be cleared when virtual switch controller is operationally up.		

35 – Unspecified NE alarms

Table 35-902 VirtualSwitchDown

Alarm	Attributes	Applicable major NE releases
Name: VirtualSwitchDown (4913) Type: virtualSwitchAlarm (136) Package: dctr Raised on class: dctr.VirtualSwitch	Severity: major Implicitly cleared: true Default probable cause: ControllerDownOrPhysicalPortDownOrInterfaceDown (1970)	Unspecified
Description: The alarm is raised when Openflow session to the VS is down.		
Raising condition: (('Active' EQUAL 'false') AND ('Operational State' EQUAL 'unspecified'))		
Clearing condition: (('Active' EQUAL 'true') AND ('Operational State' EQUAL 'Up'))		
Remedial action: This alarm can be cleared when virtual switch is operationally up.		

Table 35-903 VlanPathModified (mpr)

Alarm	Attributes	Applicable major NE releases
Name: VlanPathModified (3936) Type: communicationsAlarm (4) Package: mpr Raised on class: mpr.MprVII	Severity: minor Implicitly cleared: true Default probable cause: PathChanged (1519)	Unspecified
Description: The alarm is raised when the radio link between two hops of a VLAN path is down.		
Remedial action: Informational - If VLAN Path changed.alarmRemedialAction.mpr.		

Table 35-904 VlanPathModified (vlan)

Alarm	Attributes	Applicable major NE releases
Name: VlanPathModified (3936) Type: communicationsAlarm (4) Package: vlan Raised on class: vlan.Vlan	Severity: minor Implicitly cleared: true Default probable cause: PathChanged (1519)	Unspecified
Description: The alarm is raised when the radio link between two hops of a VLAN path is down.		
Remedial action: Informational - if the VLAN Path Changed.		

Table 35-905 VlanSubTypeConflict

Alarm	Attributes	Applicable major NE releases
Name: VlanSubTypeConflict (227) Type: configurationAlarm (11) Package: vlan Raised on class: vlan.Vlan	Severity: major Implicitly cleared: true Default probable cause: topologyMisconfigured (81)	Unspecified
Description: The alarm is raised when more than one type of VLAN service has the same VLAN ID. The alarm is raised against a service.		
Raising condition: ('vlanSubTypeConflict' EQUAL 'true')		
Clearing condition: ('vlanSubTypeConflict' EQUAL 'false')		
Remedial action: Ensure that the VLAN Subtype of the Site matches the VLAN Subtype of the Service.		

Table 35-906 VlanUplinkDown

Alarm	Attributes	Applicable major NE releases
Name: VlanUplinkDown (1146) Type: VlanUplinkAlarm (89) Package: service Raised on class: service.VlanUplink	Severity: major Implicitly cleared: true Default probable cause: VlanUplinkDown (852)	Unspecified
Description: The alarm is raised when a VLAN uplink is operationally down.		
Raising condition: (('Aggregation Operational State' EQUAL 'Partially Down') OR ('Aggregation Operational State' EQUAL 'Down'))		
Clearing condition: (('Aggregation Operational State' NOT EQUAL 'Partially Down') AND ('Aggregation Operational State' NOT EQUAL 'Down'))		
Remedial action: Check the underlying physical link for the SAPs.		

Table 35-907 VlanUplinkNotCreated

Alarm	Attributes	Applicable major NE releases
Name: VlanUplinkNotCreated (1147) Type: VlanUplinkAlarm (89) Package: service Raised on class: service.Service	Severity: major Implicitly cleared: true Default probable cause: VlanUplinkNotCreated (853)	Unspecified
Description: The alarm is raised when an expected VLAN uplink does not exist.		
Remedial action: Make sure the two participating ports which hold the uplink SAPs of the service are physically connected and operationally up. And make sure a physical link is created and is operationally up either by enabling LLDP or manually creating a physical link between those ports. If the physical link already exists and operationally up, make sure the uplink SAPs has been created with matching encapsulation values, in case the uplink SAPs has already been created with different encapsulation values, please delete those uplink SAPs and create the uplink SAPs with same encapsulation values.		

Table 35-908 VoiceChannelLoopback

Alarm	Attributes	Applicable major NE releases
Name: VoiceChannelLoopback (1148) Type: configurationAlarm (11) Package: tdmequipment Raised on class: tdmequipment.VoiceChannelSpecifics	Severity: warning Implicitly cleared: true Default probable cause: voiceChannelLoopback (854)	Unspecified
Description: The alarm is raised when an NE reports that a voice channel has a loopback alarm condition.		
Remedial action: Informational only.		

Table 35-909 vPortHostMatchFailure

Alarm	Attributes	Applicable major NE releases
Name: vPortHostMatchFailure (3628) Type: configurationAlarm (11) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: false Default probable cause: tPortEgrVPortHostMatchFailure (1413)	Unspecified
Description: The alarm is raised when a host match lookup fails to resolve the egress virtual port.		
Remedial action: This alarm is raised when the subscriber host with an intermediate destination ID that does not match the host-match destination set under the V-port. Modify the intermediate destination ID of the subscriber host to match the host-match defined in the v-port; Or modify the host-match destination ID to match the intermediate destination ID of the subscriber host.		

Table 35-910 VwmShelfMismatch

Alarm	Attributes	Applicable major NE releases
Name: VwmShelfMismatch (4941) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.VwmShelf	Severity: major Implicitly cleared: true Default probable cause: VwmShelfMismatch (2000)	Unspecified
Description: The alarm is raised when the configured vwm shelf id is different than the equipped vwm shelf.		
Remedial action: This alarm is raised when the detected VWM shelf id does not match the provisioned id. Please follow the below steps to clear this alarm: a. Check the id on the rotary dial on the VWM SHelf. b. Use any of the following commands to clear the alarm. c. To change the VWM shelf id("config system vwm-shelf <shelf-id> . d. To delete an existing shelf("config system no vwm-shelf <shelf-id>").		

Table 35-911 VwmShelfRemoved

Alarm	Attributes	Applicable major NE releases
Name: VwmShelfRemoved (4942) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.VwmShelf	Severity: major Implicitly cleared: true Default probable cause: VwmShelfRemoved (2001)	Unspecified
Description: The alarm is raised when a vwm shelf is removed.		
Remedial action: Informational - a vwm shelf has been removed from the NE		

Table 35-912 WlanGwTuQosProblem

Alarm	Attributes	Applicable major NE releases
Name: WlanGwTuQosProblem (3915) Type: resourceAlarm (28) Package: wlangw Raised on class: wlangw.IsaMember	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	Unspecified
Description: The alarm is raised when a resource issue occurs while creating a WLAN Gateway tunnel QoS infrastructure instance.		
Remedial action: This may be a temporary phenomenon. If it persists, the QoS configuration or the scaling may have to be modified to ensure enough resources are available for the UE QoS.		

Table 35-913 WppHostAuthenticationFailed

Alarm	Attributes	Applicable major NE releases
Name: WppHostAuthenticationFailed (3916) Type: processingErrorAlarm (81) Package: wpp Raised on class: wpp.Portal	Severity: major Implicitly cleared: false Default probable cause: portalWppHostAuthenticationFailure (1501)	Unspecified
Description: The alarm is raised when a WPP host cannot be authenticated.		
Remedial action: The recovery action will depend on the exact failure cause as given by the failureReason.		

35 – Unspecified NE alarms

Table 35-914 WppPortalUnreachable

Alarm	Attributes	Applicable major NE releases
Name: WppPortalUnreachable (5421) Type: ProtocolAlarm (1) Package: wpp Raised on class: wpp.Portal	Severity: minor Implicitly cleared: false Default probable cause: protocolDown (1)	Unspecified
Description: This alarm is raised when WPP protocol messages are sent out after a node is restarted but no route to the web portal is available. This notification is sent every minute while the portal remains unreachable up to a certain time. After that, all WPP messages to that portal are dropped.		
Remedial action: Initially no recovery is required as it is expected that the WPP portal can be unreachable for some time after a node restart. When the problem remains, the operator should check the routing table.		

Table 35-915 XPICCableLoss

Alarm	Attributes	Applicable major NE releases
Name: XPICCableLoss (4851) Type: communicationsAlarm (4) Package: mwa Raised on class: mwa.PortTermination	Severity: variable Implicitly cleared: true Default probable cause: DemodulatorXPICLossOfSignal (1928)	Unspecified
Description: The alarm is raised when a MPT detects a XPIC plug-in cable loss		
Remedial action: Please refer to either 9500 or 7705 Node Maintenance manual for remedial action information.		

Customer documentation and product support



Customer documentation

<http://www.alcatel-lucent.com/myaccess>

Product manuals and documentation updates are available at [alcatel-lucent.com](http://www.alcatel-lucent.com). If you are a new user and require access to this service, please contact your Alcatel-Lucent sales representative.



Technical Support

<http://support.alcatel-lucent.com>



Documentation feedback

documentation.feedback@alcatel-lucent.com

